

# Partners in Science 2023

Academic Studies using WorldViz Technology

February 2020 - April 2023



WorldViz is pleased to present its sixth and latest Partners in Science Report: It covers research studies featured in publications including Nature and other prominent journals between 2020 and 2022 that utilized a WorldViz VR solution. Our combined WorldViz Partners in Science reports since 2015 now highlight over **560 published studies**, giving you access to a unique collection of virtual reality studies by top researchers across many disciplines.

We are excited to see that many new universities from all over the world have completed meaningful research studies using WorldViz VR software technologies. They include Massachusetts General Hospital and Harvard Medical School, University of Oxford, Stanford University, Johns Hopkins University, University of British Columbia, University College, London, ETH Zurich, Max Planck Society, Max Planck Institute for Psycholinguistics, Maastricht University, and many more.

Virtual reality is a powerful research tool allowing for unprecedented experimental control within fully immersive stimuli.

This report is organized by scientific field: *Computer Science, AEC, Neuroscience, Physiology, Psychology.*

Links to the published journal articles for each study along with the authors are provided below. As some of the papers are hosted on SpringerLink and IEEE, you'll need to use your university license to access them.

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**China University of Mining and Technology**

*Architecture*

**Jiangsu Collaborative Innovation Center for Building Energy Saving and Construction Technology**

**Yancheng Institute of Technology**

*Urban and Rural Planning*

**Researcher:** Liang Sun, Weikang Tan, Yanbing Ren, Xiang Ji, Zhi Wang, Pei Li

**Title of Paper/Research:** Research on Visual Comfort of Underground Commercial Streets' Pavement in China on the Basis of Virtual Simulation

**Journal:** International Journal of Pattern Recognition and Artificial Intelligence Vol. 34, No. 03, 2050005 (2020)

**Date:** March, 2020

**IDEO, Pier 28 Annex, The Embarcadero**

**North Carolina State University**

*Center for Geospatial Analytics*

*College of Design*

*Department of Parks, Recreation, and Tourism Management*

*Department of Marine, Earth, and Atmospheric Sciences*

*Department of Forestry and Environmental Resources*

**Researcher:** Payam Tabrizian, Anna Petrasova, Perver K. Baran, Jelena Vukomanovic, Helena Mitasova, Ross K. Meentemeyer

**Title of Paper/Research:** High Resolution Viewscape Modeling Evaluated Through Immersive Virtual Environments

**Journal:** GIS-Based Analysis for Quality of Life and Environmental Monitoring

**Date:** July, 2020

**Akita University**

*Graduate School of Engineering Science*

**Researcher:** Katsuya Fujiwara, Tomoya Oikawa, Yoshinori Ishikawa, Kazutaka Mitobe

**Title of Paper/Research:** Development of a VR Simulator for Training of Posterior Cervical Spine Fusion Surgery

**Journal:** IEEJ Institute of Electrical Engineers of Japan, Volume15, Issue8, August 2020, Pages 1242-1243

**Date:** July, 2020

**Universidad de Sevilla**

*Instituto Universitario de Arquitectura y Ciencias de la Construcción, Departamento de Física Aplicada II, Escuela Técnica Superior de Arquitectura*

**Researcher:** Javier Alayón, José A. Romero-Odero, Miguel Galindo, Francisco J. Nieves, Sara Girón

**Title of Paper/Research:** Sound Perception in 3D Virtual Environments: Application to a Roman Theatre of Hispania

**Journal:** IHET 2020: Human Interaction, Emerging Technologies and Future Applications III pp 216–222

**Date:** August, 2020

**Singapore-ETH Centre**

*Future Cities Laboratory*

**ETH Zurich**

**Researcher:** Saskia Kuliga, Panagiotis Mavros, Martin Brösamle, Christoph Hölscher

**Title of Paper/Research:** Comparing Human Wayfinding Behavior Between a Real, Existing Building, a Virtual Replica, and Two Architectural Redesigns

**Journal:** Lecture Notes in Computer Science book series (LNAI, volume 12162)

**Date:** August, 2020

**Shanghai University of Engineering Science**

*School of Art and Design*

**Researcher:** Man Luo

**Title of Paper/Research:** Research on the Method of Simultaneous Selection of Design Schemes in Man-machine Environment

**Journal:** 2020 5th International Conference on Universal Village (UV), Boston, MA, USA, 2020, pp. 1-5

**Date:** October, 2020



**Technologies, Institute for Occupational Safety and Health of the German Social Accident Insurance**

*Department of Accident Prevention:  
Digitalisation*

**Researcher:** Peter Nickel

**Title of Paper/Research:** Depth and Colour Perception in Real and Virtual Robot Cells in the Context of Occupational Safety and Health

**Journal:** HCII 2020: Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management. Posture, Motion and Health pp 228–242

**Date:** October, 2020

**University of Zaragoza**

*IDERGO (Research and Development in Ergonomics), I3A (Instituto de Investigación en Ingeniería de Aragón)*

*Department of Design and Manufacturing Engineering*

*HOWLab (Human Openware Research Lab), I3A (Instituto de Investigación en Ingeniería de Aragón)*

*Department of Musical, Plastic and Body Language Expression*

*Department of Biomedical Engineering*

**GeoSpatiumLab Ltd.**

**HUMS (Miguel Servet University Hospital)**

*Rehabilitation and Physical Medicine Service*

**Researcher:** Javier Marin, Jose J. Marin, Teresa Blanco, Juan de la Torre, Inmaculada Salcedo, Elena Martitegui

**Title of Paper/Research:** Is My Patient Improving? Individualized Gait Analysis in Rehabilitation

**Journal:** Applied Science 2020, 10(23), 8558

**Date:** October, 2020

### University of Zaragoza

*IDERGO (Research and Development in Ergonomics), I3A (Instituto de Investigación en Ingeniería de Aragón)*

*Department of Design and Manufacturing Engineering*

*HOWLab (Human Openware Research Lab), I3A (Instituto de Investigación en Ingeniería de Aragón)*

*Department of Musical, Plastic and Body Language Expression*

*Department of Biomedical Engineering*

### GeoSpatiumLab Ltd.

**Researcher:** Javier Marín, Teresa Blanco, Juan de la Torre, José J. Marín

**Title of Paper/Research:** Gait Analysis in a Box: A System Based on Magnetometer-Free IMUs or Clusters of Optical Markers with Automatic Event Detection

**Journal:** Sensors 2020, 20(12), 3338

**Date:** December, 2020

### University College London

*Institute for Environmental Design and Engineering*

**Researcher:** Chunyang Xu, Tin Oberman, Francesco Aletta, Huan Tong, Jian Kang

**Title of Paper/Research:** Ecological Validity of Immersive Virtual Reality (IVR) Techniques for the Perception of Urban Sound Environments

**Journal:** Acoustics

**Date:** December, 2020

### Graz University of Technology

*Institute of Engineering Geodesy and Measurement Systems*

**Researcher:** Peter Bauer, Werner Lienhart, Samuel Jost

**Title of Paper/Research:** Accuracy Investigation of the Pose Determination of a VR System

**Journal:** Sensors 2021, 21(5), 1622

**Date:** February, 2021



**Ritsumeikan University**  
**KOITO MANUFACTURING CO., LTD.**

**Researcher:** Yuki Okafuji, Takahiro Wada, Toshihito Sugiura, Kazuomi Murakami, Hiroyuki Ishida

**Title of Paper/Research:** Drivers' Gaze Behaviors are Influenced by Vehicle Position

**Journal:** Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 64(1), 1625–1629

**Date:** February, 2021

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**Beijing Normal University**

*State Key Laboratory of Remote Sensing Science, Beijing Key Laboratory for Remote Sensing of Environment and Digital Cities, Research Centre of Geospatial Cognition and Visual Analytics, and Faculty of Geographical Science*

**Hunan Normal University**

*College of Resources and Environmental Sciences*

**Technical University of Munich**

*Department of Civil, Geo, and Environmental Engineering*

**Peking University**

*Institute of Remote Sensing and Geographical Information Systems, School of Earth and Space Sciences*

**Researcher:** Weihua Dong, Tong Qin, Tianyu Yang, Hua Liao, Bing Liu, Liqui Meng, Yu Liu, Anna C. Nobre, Freek van Ede

**Title of Paper/Research:** Wayfinding Behavior and Spatial Knowledge Acquisition: Are They the Same in Virtual Reality and in Real-World Environments?

**Journal:** Annals of the American Association of Geographers Volume 112, 2022 - Issue 1

**Date:** May, 2021



**Chiba University**

*Graduate School of Engineering Architecture  
and Urban Science*

**Researcher:** Takahisa Nakamura, Yohsuke Yoshioka

**Title of Paper/Research:** Effect of Bollard Arrays on Pedestrian's Sense of Safety

**Journal:** International Conference on Applied Human Factors and Ergonomics, AHFE 2021:  
Advances in Ergonomics in Design pp 965–970

**Date:** June, 2021

**Chiba University**

*Department of Environmental Science and  
Landscape Architecture*

**Researcher:** Sodai Kono, Yohsuke Yoshiok

**Title of Paper/Research:** Effects of Change of Ceiling Height on Subjective Sense of Time

**Journal:** International Conference on Applied Human Factors and Ergonomics, AHFE 2021:  
Advances in Ergonomics in Design pp 779–785

**Date:** June, 2021

**Chiba University**

*Graduate School of Engineering Architecture  
and Urban Science*

**Researcher:** Mayu Yoshihara, Yohsuke Yoshioka

**Title of Paper/Research:** Most Visible Display Height of Augmented Reality Route Guidance  
Signs Under Road Congestion Conditions

**Journal:** International Conference on Applied Human Factors and Ergonomics, AHFE 2021:  
Advances in Ergonomics in Design pp 807–813

**Date:** June, 2021

**University of Zaragoza**

*IDERGO (Research and Development in Ergonomics) Research Group, I3A (Aragon Institute of Engineering Research),  
Department of Design and Manufacturing Engineering*

**Researcher:** Javier Marín, Juan de la Torre, José J. Marín

**Title of Paper/Research:** MH-Forces, a Motion-Capture Based Method to Evaluate Workplace Ergonomics: Simulating Exoskeleton Effects

**Journal:** Biosystems & Biorobotics book series (BIOSYSROB, volume 27)

**Date:** July, 2021

**University of Zaragoza**

*IDERGO (Research and Development in Ergonomics), I3A (Instituto de Investigación en Ingeniería de Aragón)  
Department of Design and Manufacturing Engineering*

**Researcher:** Javier Marín, José J. Marín

**Title of Paper/Research:** Forces: A Motion Capture-Based Ergonomic Method for the Today's World

**Journal:** Advances in Design and Integration of Wearable Sensors for Ergonomics

**Date:** July, 2021

**Ritsumeikan University**

**Researcher:** Chenkai Zhang, Yuki Okafuji, Takahiro Wada

**Title of Paper/Research:** Reliability Evaluation of Visualization Performance of Convolutional Neural Network Models for Automated Driving

**Journal:** International Journal of Automotive Engineering

**Date:** December, 2021

**New York University**

*Tandon School of Engineering*

**Researcher:** Ziming Qiu

**Title of Paper/Research:** Deep Learning Application to 3D Vision: Volumetric Medical Image Analysis and Camera Pose Estimation

**Journal:** ProQuest Dissertations

**Date:** January, 2022



**Akita University**

*Graduate School of Engineering Science  
Graduate School of Medicine*

**Researcher:** Masachika Saito, Yukiko Kikuchi, Yukiko Kudo, Makiko Sasaki, Kazutaka Mitobe

**Title of Paper/Research:** Development of a Learning Support System for Blood Sampling Techniques Using a Magnetic Motion Capture System

**Journal:** IEEJ Institute of Electrical Engineers of Japan, Volume17, Issue5, Volume17, May 2022, Pages 757-759

**Date:** January, 2022

**Eindhoven University of Technology**

*Department of the Built Environment*

**Researcher:** Bojing Liao, Pauline E.W. van den Berg, P.J.V. van Wesemael, Theo A. Arentze

**Title of Paper/Research:** Individuals' perception of walkability: Results of a conjoint experiment using videos of virtual environments

**Journal:** Cities Volume 125, June 2022, 103650

**Date:** March, 2022

**The University of Tokyo**

*RACE (Research into Artifact, Center for  
Engineering)  
Department of Precision Engineering*

**Researcher:** Yasushi Umeda, Yuki Hongo, Jumpei Goto, Shinsuke Kondoh

**Title of Paper/Research:** Digital Triplet and its Implementation on Learning Factory

**Journal:** IFAC-PapersOnLine – Volume 55, Issue 2, 2022, Pages 1-6

**Date:** May, 2022



**University of Campania Luigi Vanvitelli**

*Department of Architecture and Industrial Design*

**Researcher:** Michelangelo Scorpio, Roberta Laffi, Ainoor Teimoorzadeh, Giovanni Ciampi, Massimiliano Masullo, Sergio Sibilio

**Title of Paper/Research:** A calibration methodology for light sources aimed at using immersive virtual reality game engine as a tool for lighting design in buildings

**Journal:** Journal of Building Engineering – Volume 48, 103998

**Date:** May, 2022

**Chiba University**

*Division of Architecture and Urban Science,  
Graduate School of Engineering*

**Researcher:** Yohsuke Yoshioka

**Title of Paper/Research:** Fixation Height in Way-finding while Peripheral Visual Fields are Restricted with Synchronously Moving Virtual Holes

**Journal:** Advances in Ergonomics In Design, Usability & Special Populations: Part I 16 (2022): 402

**Date:** July, 2022

**Anhui University of Technology**

*Academy of Art and Design*

**Researcher:** Wangqun Xiao, Xuejie Wang, Ming Lou, Long Chen, Wenbin Li, Xiang Jin

**Title of Paper/Research:** Modeling Design Method for Intelligent Industrial Robot Based on Perceptual Image

**Journal:** Forest Chemicals Review

**Date:** June, 2022

**University of Siegen**

*Institute of Production Technology,  
FAMS - Chair for Production Automation  
and Assembly*

**Researcher:** Tadele Belay Tuli, Martin Manns, Sebastian Zeller

**Title of Paper/Research:** Human motion quality and accuracy measuring method for human-robot physical interactions

**Journal:** Intelligent Service Robotics volume 15, pages503–512 (2022)

**Date:** July, 2022

**University of Illinois**

*Department of Mechanical Science and  
Engineering*

*Department of Physics*

*Department of Computer Science*

*Department of Electrical and Computer  
Engineering*

*Department of Kinesiology and  
Community Health*

**Researcher:** Gekai Liao, Siwen Wang, Zijing Wei, Bohan Liu, Ryu Okubo, Manuel E. Hernandez

**Title of Paper/Research:** Online classifier of AMICA model to evaluate state anxiety while standing in virtual reality

**Journal:** 2022 44th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)

**Date:** September, 2022

**UC San Diego**

*Department of Bioengineering*

**Researcher:** Diego E. Arias, Christopher A. Buneo

**Title of Paper/Research:** Effects of Kilohertz Electrical Stimulation of the Trigeminal Nerve on Motor Learning

**Journal:** 2022 44th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)

**Date:** September, 2022

**Arizona State University**

*School of Biological and Health Systems  
Engineering*



**Indian Space Research Organization**  
*Space Applications Centre*

**Researcher:** Jai Gopal Singla

**Title of Paper/Research:** 3D surface visualization of planetary data using Indian remote sensing datasets on a specialized multiprojector system

**Journal:** Current Science, Vol. 123, No. 10

**Date:** November, 2022

**Universidad de Ingenieria y Tecnologia**  
*Department of Electrical and Mechatronics Engineering*

**Researcher:** Deyby Huamanchahua, Yadhira Valenzuela-Lino, Jhon Ortiz-Zacarias, Fiorela Manco-Fernandez

**Title of Paper/Research:** AR and VR Training System for Children with ASD: A Detailed and Innovative Review

**Journal:** 2022 IEEE ANDESCON

**Date:** December, 2022

**Universidad Continental**  
*Mechatronic Engineering*  
**Universidad Peruana de Ciencias Aplicadas**  
*School of Electronic Engineering*

**James Watt School of Engineering**  
*Engineering Design Research Group*  
**Glasgow School of Art**  
*School of Simulation and Visualisation*  
**The American University in Cairo**  
**Egypt-Japan University of Science and Technology**

**Researcher:** Noor AlQallaf, James Watt, Satyam Bhatti, Rachael Suett, Sherif G. Aly, Ahmed S. G. Khalil, Rami Ghannam

**Title of Paper/Research:** Visualising Climate Change using Extended Reality: A Review

**Journal:** 2022 29th IEEE International Conference on Electronics, Circuits and Systems (ICECS)

**Date:** December, 2022



**Harbin Institute of Technology**

*School of Mechanical Engineering and  
Automation*

**Researcher:** Yongzhi Liu, Yifei Fan, Zhangliang Wu, Jianfei Yao, Zhili Long

**Title of Paper/Research:** Ultrasound-Based 3-D Gesture Recognition: Signal Optimization, Trajectory, and Feature Classification

**Journal:** IEEE Transactions on Instrumentation and Measurement ( Volume: 72)

**Date:** January, 2023

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**University of Campania Luigi Vanvitelli**

*Department of Architecture and  
Industrial Design*

**Universidad de Alcalá**

*Escuela de Arquitectura*

**Researcher:** Michelangelo Scorpio, Davide Carleo, Martina Gargiulo, Pilar Chías Navarro, Yorgos Spanodimitriou, Parinaz Sabet, Massimiliano Masullo, Giovanni Ciampi

**Title of Paper/Research:** A Review of Subjective Assessments in Virtual Reality for Lighting Research

**Journal:** Sustainability in Architecture, Planning, and Design: Papers from the BEYOND ALL LIMITS 2022 Conference)

**Date:** May, 2023

## Minjiang University

*School of Physics and Electronic Information Engineering*

**Researcher:** Chen Lin, Jianxing Wang, Hong Lin, Xiaobin Lin

**Title of Paper/Research:** A Method for Rapid Virtual Assembly Generation from Physical Devices

**Journal:** IOP Conference Series: Earth and Environmental Science, Volume 440, Environmental Science and Technology

**Date:** March, 2020

## Oregon State University

*Computer Science*

**Researcher:** Symon Peter L. Ramos

**Title of Paper/Research:** A Study of Learning Effectiveness between Augmented and Traditional Methods in Crafting Origami

**Journal:** Honors College Thesis

**Date:** March, 2020

## East China University of Science and Technology

*School of Art, Design and Media*

**Researcher:** Wangqun Xiao, Jianxin Cheng

**Title of Paper/Research:** Perceptual design method for smart industrial robots based on virtual reality and synchronous quantitative physiological signals

**Journal:** International Journal of Distributed Sensor Networks 2020, Vol. 16(5)

**Date:** March, 2020

**Indian Institute of Technology Gandhinagar**

*Center for Cognitive Science  
Electrical Engineering Department*

**Researcher:** Pradeep Raj Krishnappa Babu, Uttama Lahiri

**Title of Paper/Research:** Classification approach for understanding implications of emotions using eye-gaze

**Journal:** Journal of Ambient Intelligence and Humanized Computing volume 11, pages 2701–2713 (2020)

**Date:** July, 2020

**IIT Gandhinagar**

*Department of Electrical Engineering*

**Researcher:** Uttama Lahiri

**Title of Paper/Research:** Design of Virtual Reality-Based Applications in Autism Intervention

**Journal:** A Computational View of Autism pp 131–163

**Date:** July, 2020

**IIT Gandhinagar**

*Centre for Cognitive and Brain Sciences  
Department of Electrical Engineering*

**Researcher:** Vishav Jyoti, Uttama Lahiri

**Title of Paper/Research:** Design of Intelligent Artificial Agents: Its Application in Joint Attention Task for Children with Autism

**Journal:** Lee, R. (eds) Computer and Information Science. ICIS 2019. Studies in Computational Intelligence, vol 849. Springer, Cham.

**Date:** August, 2019



## National Information Processing Institute

**Researcher:** Zbigniew Bohdanowicz, Jarosław Kowalski, Daniel Cnotkowski, Paweł Kobylinski, Cezary Biele

**Title of Paper/Research:** [Reactions to Immersive Virtual Reality Experiences Across Generations X, Y, and Z](#)

**Journal:** ACHI 2020 : The Thirteenth International Conference on Advances in Computer-Human Interactions

**Date:** October, 2020

## University of California, Santa Barbara

*Media Arts and Technology*

*Department of Computer Science*

**Researcher:** Ehsan Sayyad, Misha Sra, Tobias Höllerer

**Title of Paper/Research:** [Walking and Teleportation in Wide-area Virtual Reality Experiences](#)

**Journal:** 2020 IEEE International Symposium on Mixed and Augmented Reality (ISMAR)

**Date:** December, 2020

## York University

*Electrical Engineering and Computer Science  
Centre for Vision Research*

**Researcher:** Cyan Kuo, Robert S. Allison

**Title of Paper/Research:** [Motion matters: Comparing naturalness of interaction with two locomotion interfaces using decision-making tasks in virtual reality](#)

**Journal:** 2020 IEEE International Conference on Systems, Man, and Cybernetics (SMC), Toronto, ON, Canada, 2020, pp. 3283-3290

**Date:** December, 2020

**Ritsumeikan University**

*School of Information Science and  
Engineering*

**The University of Tokyo**

*Department of Mechano-Informatics*

**Researcher:** Yuki Okafuji, Takanori Fukao

**Title of Paper/Research:** Theoretical interpretation of drivers' gaze strategy influenced by optical flow

**Journal:** Scientific Reports (2021) 11:2389

**Date:** January, 2021

**Kyung Hee University**

*Department of Information Convergence  
Engineering*

**Escuela Superior Politécnica del Litoral**

*Faculty of Engineering in Electricity and  
Computation, FIEC*

**Researcher:** Edwin Valarezo Añazco, Seung Ju Han, Kangil Kim, Patricio Rivera Lopez, Tae-Seong Kim, Sangmin Lee

**Title of Paper/Research:** Hand Gesture Recognition Using Single Patchable Six-Axis Inertial Measurement Unit via Recurrent Neural Networks

**Journal:** Sensors 2021, 21(4)

**Date:** February, 2021

**Universität Hamburg**

*Human-Computer Interaction*

*Fachbereich Informatik*

*Fakultät für Mathematik, Informatik und  
Naturwissenschaften*

**Researcher:** Oscar Ariza

**Title of Paper/Research:** Wearable Haptic Technology for 3D Selection and Guidance

**Journal:** Universität Hamburg eingereichte Dissertation

**Date:** March, 2021

**York University**

*Electrical Engineering And Computer Science*

**Researcher:** Cayn Kuo

**Title of Paper/Research:** Does Motion Matter?: Comparing Locomotion Interfaces in Virtual Environments Using Presence in Decision-Making Tasks

**Journal:** York Space Institutional Repository

**Date:** March, 2021

**Rowan University**

*Department of Electrical and Computer  
Engineering, Henry M. Rowan College of  
Engineering*

**Researcher:** George Demetrius Lecakes, Jr.

**Title of Paper/Research:** The Matrix revisited: A THE MATRIX REVISITED: A CRITICAL ASSESS-  
MENT OF VIRTUAL REALITY TECHNOLOGIES FOR MODELING, SIMULATION, AND TRAINING

**Journal:** Virtual Human Systems: A Generalised Model

**Date:** March, 2021

**SAE Creative Media Institute**

*Creative Industries*

**Researcher:** Marcus L Endicott

**Title of Paper/Research:** Virtual Human Systems: A Generalised Model

**Journal:** Virtual Human Systems: A Generalised Model

**Date:** April, 2021

**Ritsumeikan University**

*College of Information Science and  
Engineering*

**Researcher:** Yuki Okafuji, Toshihito Sugiura, Ryusei Osugi, Chenkai Zhang, Takahiro Wada

**Title of Paper/Research:** A Machine Learning-Based Approach to Analyze Information Used  
for Steering Control

**Journal:** IEEE Access ( Volume: 9)

**Date:** June, 2021

**Nara Institute of Science and Technology**

*Graduate School of Science and Technology*

**The University of Texas at Austin**

*Department of Computer Science*

**Researcher:** Lijia Liu, Dana Ballard

**Title of Paper/Research:** Humans use minimum cost movements in a whole-body task

**Journal:** Scientific Reports volume 11, Article number: 20081 (2021)

**Date:** October, 2021



**Nokia Bell Labs, Murray Hill, USA**  
**Nokia Bell Labs, Budapest, Hungary**  
**New York University**

*Electrical & Computer Engineering*

**Researcher:** Jack Langerman, Ziming Qiu, Gabor Sörös, David Sebök, Yao Wang  
Howard Huang

**Title of Paper/Research:** [Domain Adaptation of Networks for Camera Pose Estimation: Learning Camera Pose Estimation Without Pose Labels](#)

**Journal:** arXiv Computer Vision and Pattern Recognition

**Date:** November, 2021

**Beijing University of Posts and Telecommunications**

*Beijing Key Laboratory of Network System and Network Culture*

**Educational Equipment Research and Development Center of the Ministry of Education**

**Researcher:** Fuan Wen, Haoliang Wang, Lei Bao

**Title of Paper/Research:** [Virtual reality learning resources and application system architecture design](#)

**Journal:** 2021 19th International Conference on Emerging eLearning Technologies and Applications (ICETA)

**Date:** November, 2021

**Qatar University**

*Department of Computer Science and Engineering, College of Engineering*

*KINDI Center for Computing Research*

**University of Hertfordshire**

*„Hamad Medical Corporation Ambulance Service, Doha, Qatar*

*School of Health and Social Work*

**Weill Cornell Medicine**

**Northumbria University**

**Researcher:** Osama Halabi, Tooba Salahuddin, Abdel Ghani Karkar, Guillaume Alinier

**Title of Paper/Research:** [Virtual reality for ambulance simulation environment](#)

**Journal:** Multimedia Tools and Applications volume 81, pages32119–32137 (2022)

**Date:** April, 2022

**Cornell University**

*School of Electrical and Computer Engineering*

**Nokia Bell Labs**

**Department of Information Technology and  
Electrical Engineering**

*ETH Zürich*

**Researcher:** Emre Gönültas, Eric Lei, Jack Langerman, Howard Huang, Christoph Studer

**Title of Paper/Research:** [CSI-Based Multi-Antenna and Multi-Point Indoor Positioning Using Probability Fusion](#)

**Journal:** IEEE Transactions on Wireless Communications Volume: 21

**Date:** April, 2022

**Verizon Wireless**

**Trinity College Dublin**

**Vanderbilt University**

**Researcher:** Richard A. Paris, Verizon Wireless, Lauren E. Buck, Timothy P. McNamara, Bobby Bodenheimer

**Title of Paper/Research:** [Evaluating the Impact of Limited Physical Space on the Navigation Performance of Two Locomotion Methods in Immersive Virtual Environments](#)

**Journal:** 2022 IEEE Conference on Virtual Reality and 3D User Interfaces (VR)

**Date:** April, 2022

**Duke University**

*Electrical and Computer Engineering*

**IIT Gandhinagar**

*Electrical Engineering*

**Researcher:** Pradeep Raj Krishnappa Babu, Uttama Lahiri

**Title of Paper/Research:** [Gaze-based Anxiety Sensitive Virtual Social Communication Platform for Individuals with Autism](#)

**Journal:** CHI EA '22: Extended Abstracts of the 2022 CHI Conference on Human Factors in Computing Systems

**Date:** April, 2022



**Universidad San Pablo-CEU**

*Departamento de Tecnologías de la  
Información, Escuela Politécnica Superior*

**Spanish National Research Council**

*Neural Rehabilitation Group, Cajal Institute*

**Researcher:** Ana Rojo, Javier Cortina, Cristina Sánchez, Eloy Urendes,  
Rodrigo García-Carmona, Rafael Raya

**Title of Paper/Research:** [Accuracy study of the Oculus Touch v2 versus inertial sensor for a  
single-axis rotation simulating the elbow's range of motion](#)

**Journal:** Virtual Reality volume 26, pages1651–1662 (2022)

**Date:** May, 2022

**Technical University of Kaiserslautern**

*Computer Science*

**German Research Centre for Artificial  
Intelligence**

**Researcher:** Alexander Schäfer, Reis Gerd, Stricker Didier

**Title of Paper/Research:** [A Survey on Synchronous Augmented, Virtual, and Mixed Reality  
Remote Collaboration Systems](#)

**Journal:** ACM Computing Surveys Volume 55 Issue 6 Article No.: 116pp 1–27

**Date:** July, 2022

**Technological University Dublin**

*School of Computer Science*

*The Artificial Intelligence and Cognitive Load  
Research Lab*

*The Applied Intelligence Research Center*

**University of Dublin**

*School of Medicine*

**Trinity College Dublin**

*Institute of Neuroscience*

*School of Computer Science and Statistics*

**Researcher:** Vladimir Marochko, Richard Reilly, Rachel McDonnell, Luca Longo

**Title of Paper/Research:** [A Survey on the Application of Virtual Reality in Event-Related  
Potential Research](#)

**Journal:** Lecture Notes in Computer Science, vol 13480. Springer, Cham

**Date:** August, 2022

## University of West Attica

*Department of Informatics and Computer Engineering*

**Researcher:** Andreas Maroukias, Christos Troussas, Akrivi Krouska, Cleo Sgouropoulou

**Title of Paper/Research:** Virtual Reality in Education: Reviewing Different Technological Approaches and Their Implementations

**Journal:** Novel & Intelligent Digital Systems: Proceedings of the 2nd International Conference (NiDS 2022). NiDS 2022. Lecture Notes in Networks and Systems, vol 556. Springer, Cham.

**Date:** September, 2022

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**Higher Colleges of Technology**  
**Ravensbourne University London**  
**Brunel University London**  
**University of York**

**Researcher:** Dimitrios Xanthidis, Christos Manolas, Ourania K. Xanthidou, Han-I Wang

**Title of Paper/Research:** Handbook of Computer Programming with Python

**Journal:** Chapman and Hall/CRC

**Date:** December, 2022

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## University of Antwerp

*Internet and Data Laboratory (IDLab)*

**i2Cat Foundation**

**NEC Laboratories Europe GmbH**

**Researcher:** Thomas Van Onsem, Jakob Struye, Xavier Costa Perez, Jeroen Famaey, Filip Lemic

**Title of Paper/Research:** Toward Full-Immersive Multiuser Virtual Reality With Redirected Walking

**Journal:** IEEE Access, vol. 11, pp. 24722-24736

**Date:** March, 2023



**Tilburg University**

*Department of Communication and Cognition*

**Max Planck Institute for Psycholinguistics**

**Radboud University**

*Donders Institute for Brain, Cognition, and Behaviour*

**Researcher:** David Peeters

**Title of Paper/Research:** Bilingual switching between languages and listeners: Insights from immersive virtual reality

**Journal:** Cognition, Volume 195, February 2020, 104107

**Date:** February, 2020

**Institute of Psychology and Ergonomics**

*Biopsychology and Neuroergonomics*

**Researcher:** Lukas Gehrke, Klaus Gramann

**Title of Paper/Research:** Single-trial regression of spatial exploration behavior indicates posterior EEG alpha modulation to reflect egocentric coding

**Journal:** European Journal of Neuroscience Volume 54, Issue12

**Date:** February, 2021

**National Rehabilitation Center, Ministry of Health and Welfare**

*Department of Rehabilitation Medicine*

**Hanyang University**

*Department of Computer Science*

**National Rehabilitation Center**

*Department of Neurorehabilitation*

**Researcher:** Tae-Lim Kim, Kwanguk Kim, Changyeol Choi, Ji-Yeong Lee, Joon-Ho Shin

**Title of Paper/Research:** FOPR test: a virtual reality-based technique to assess field of perception and field of regard in hemispatial neglect

**Journal:** Journal of NeuroEngineering and Rehabilitation volume 18, Article number: 39 (2021)

**Date:** February, 2021

## **Stony Brook University**

*Department of Biomedical Engineering  
Laufer Center for Physical and Quantitative  
Biology  
Department of Physics and Astronomy  
Department of Computer Science  
Department of Applied Mathematics and  
Statistics*

## **Massachusetts General Hospital and Harvard Medical School**

*Athinoula A. Martinos Center for Biomedical  
Imaging*

## **NIH/National Institute on Alcohol Abuse and Alcoholism**

*Laboratory of Metabolic Control*

## **University of Oxford**

*Department of Physiology, Anatomy, and  
Genetics*

**Researcher:** Lilianne R. Mujica-Parodi, Anar Amgalan, Syed Fahad Sultan, Kieran Clarke, Botond Antal, Xiaofei Sun, Steven Skiena, Andrew Lithen, Noor Adra, Eva-Maria Ratai, Corey Weistuch, Sindhuja Tirumalai Govindarajan, Helmut H. Strey, Ken A. Dill, Steven M. Stuffelbeam, Richard L. Veech, Kieran Clarke

**Title of Paper/Research:** [Diet modulates brain network stability, a biomarker for brain aging, in young adults](#)

**Journal:** PNAS 117 (11) 6170-6177

**Date:** March, 2020

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## **Norwegian University of Science and Technology**

*Chester F. Carlson Center for Imaging Science*

## **Max Planck Institute for Human Cognitive and Brain Sciences**

**Researcher:** Doerte Kuhrt, Natalie R. St. John, Jacob L. S. Bellmund, Raphael Kaplan, Christian F. Doeller

**Title of Paper/Research:** [An immersive first-person navigation task for abstract knowledge acquisition](#)

**Journal:** Scientific Reports volume 11, Article number: 5612 (2021)

**Date:** March, 2021



**Rensselaer Polytechnic Institute**

*Cognitive Science Department*

**Colby College**

*Department of Computer Science*

**Researcher:** Scott T. Steinmetz, Oliver W. Layton, Nathaniel V. Powell, Brett R. Fajen

**Title of Paper/Research:** [Affordance-based versus current-future accounts of choosing whether to pursue or abandon the chase of a moving target](#)

**Journal:** Journal of Vision Volume 20, Issue 3

**Date:** March, 2020

**Maastricht University**

*Faculty of Psychology and Neuroscience,  
Department of Cognitive Neuroscience*

**University of Copenhagen**

*BRAINlab and Neuropsychiatry Laboratory,  
Faculty of Health and Medical Sciences,  
Department of Neuroscience and  
Pharmacology*

**Yale University**

*Department of Radiology and Biomedical  
Imaging*

**Researcher:** Kiki van der Heijden, Elia Formisano, Giancarlo Valente, Minye Zhan, Ron Kupers, Beatrice de Gelder

**Title of Paper/Research:** [Reorganization of Sound Location Processing in the Auditory Cortex of Blind Humans](#)

**Journal:** Cerebral Cortex, Volume 30, Issue 3

**Date:** March, 2020

**Cognitive Neuroscience, Institute of  
Neuroscience and Medicine (INM-3),  
Research Centre**

**University of Cologne**

*Department of Neurology, University Hospital  
Cologne and Faculty of Medicine*

**Researcher:** Michael Wiesing, Gereon R. Fink, Ralph Weidner

**Title of Paper/Research:** [Accuracy and precision of stimulus timing and reaction times with Unreal Engine and SteamVR](#)

**Journal:** Plos One

**Date:** April, 2020

## University of Coimbra

*Coimbra Institute for Biomedical Imaging and  
Translational Research*

*Institute for Nuclear Sciences Applied to  
Health*

*Faculty of Medicine*

*Center for Informatics and Systems,  
Department of Informatics Engineering*

## Centro Hospitalar E Universitário de Coimbra

*Neurodevelopmental and Autism Unit From  
Child Developmental Center, Hospital  
Pediátrico*

*Centro de Investigação E Formação Clínica,  
Hospital Pediátrico*

**Researcher:** Marco Simões, Susana Mouga, Andreia C. Pereira, Paulo de Carvalho,  
Guiomar Oliveir, Miguel Castelo-Branco

**Title of Paper/Research:** Virtual Reality Immersion Rescales Regulation of Interpersonal  
Distance in Controls but not in Autism Spectrum Disorder

**Journal:** Journal of Autism and Developmental Disorders volume 50, pages4317–4328 (2020)

**Date:** April, 2020

## German Center for Neurodegenerative Diseases (DZNE)

*Aging and Cognition Research Group*

## Otto-von-Guericke University Magdeburg

*Department of Neurology*

*Center for Behavioural Brain Sciences (CBBS)*

**Researcher:** Nadine Diersch, Jose P. Valdes-Herrera, Claus Tempelmann, Thomas Wolbers

**Title of Paper/Research:** Increased Hippocampal Excitability and Altered Learning Dynamics  
Mediate Cognitive Mapping Deficits in Human Aging

**Journal:** Journal of Neuroscience, 41 (14) 3204-3221

**Date:** April, 2021

## University of California, Los Angeles (UCLA)

*Department of Psychiatry and Biobehavioral Sciences, Jane and Terry Semel Institute for Neuroscience and Human Behavior*

## German Center for Neurodegenerative Diseases (DZNE)

*Aging & Cognition Research Group*

## The University of Texas

*Center for Learning and Memory, Department of Neuroscience*

## Center for Behavioral Brain Sciences

## Massachusetts Institute of Technology (MIT)

*Department of Brain and Cognitive Sciences & McGovern Institute*

**Researcher:** Matthias Stangl, Ingmar Kanitscheider, Martin Riemer, Ila Fiete, Thomas Wolbers

**Title of Paper/Research:** [Sources of path integration error in young and aging humans](#)

**Journal:** Nature Communications volume 11, Article number: 2626 (2020)

**Date:** May, 2020

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## Aarhus University

*Department of Food Science, Faculty of Science and Technology*

*Center for Music in the Brain, Department of Clinical Medicine*

## BI Norwegian Business School

*Centre for Multisensory Marketing, Department of Marketing*

**Researcher:** Qian Janice Wang, Francisco Barbosa Escobar, Patricia Alves Da Mota, Carlos Velasco

**Title of Paper/Research:** [Getting started with virtual reality for sensory and consumer science: Current practices and future perspectives](#)

**Journal:** Food Research International Volume 145, July 2021, 110410

**Date:** May, 2021



## Boston University

*College of Health & Rehabilitation Sciences:  
Sargent College*

**Researcher:** Vineeta Pandey

**Title of Paper/Research:** A Training Workshop for Guiding Occupational Therapy Practice:  
Use of Environments in Virtual Reality for Social Skills Training in Autism

**Journal:** ProQuest

**Date:** June, 2020

## Ludwig-Maximilians University of Munich

*German Center for Vertigo and Balance  
Disorders (DSGZ)*

## Schoen Clinic Bad Aibling

## University of Nevada

*Department of Psychology and Institute for  
Neuroscience*

**Researcher:** Jeannine Bergmann, Standislav Bardins, Christian Prawitz, Aram Keywan,  
Paul MacNeilage, Klaus Jahn

**Title of Paper/Research:** Perception of postural verticality in roll and pitch while sitting and  
standing in healthy subjects

**Journal:** Neuroscience Letters – Volume 730, 135055

**Date:** June, 2020

## Stanford University

*Department of Anthropology  
School of Medicine  
Department of Communication*

**Researcher:** Cordelia Erickson-Davis, Tanya M. Luhrmanna, Lianne M. Kurina, Kara Weisman,  
Naomi Cornman, Anna Corwin, Jeremy Bailenson

**Title of Paper/Research:** The sense of presence: lessons from virtual reality

**Journal:** Religion, Brain & Behavior Volume 11, 2021 - Issue 3

**Date:** July, 2021

## Berlin Institute of Technology

*Department of Biopsychology and  
Neuroergonomics*

**Researcher:** Klaus Gramann, Friederike Hohlefeld, Lukas Gehrke, Marius Klug

**Title of Paper/Research:** Mobile Brain/Body Imaging Data Heading Computation

**Journal:** DepositOnce

**Date:** August, 2020

**Ludwig-Maximilians-Universität München**

*Department Biologie II*

*German Center for Vertigo and Balance Disorders*

**2Bernstein Center for Computational Neuroscience Munich**

**Researcher:** Josephine Henke, David Bunk, Dina von Werder, Stefan Häusler, Virginia L Flanagan

**Title of Paper/Research:** Distributed coding of stimulus magnitude in rodent prefrontal cortex

**Journal:** bioRxiv The Preprint Server for Biology

**Date:** August, 2021

**University of Otago**

*School of Physical Education, Sport, and Exercise Sciences*

**University Medical Center Rotterdam**

*Department of Neuroscience, Erasmus MC*

**University of British Columbia**

*School of Kinesiology*

**Faculty of Kinesiology**

*Faculty of Kinesiology*

**Hotchkiss Brain Institute**

**University of New Brunswick**

*Faculty of Kinesiology*

**University of British Columbia**

*Djavad Mowafaghian Centre for Brain Health*

*Institute for Computing, Information and Cognitive Systems*

**Researcher:** Brandon G Rasman, Patrick A Forbes, Ryan M Peters, Oscar Ortiz, Ian Franks, J Timothy Inglis, Romeo Chua, Jean-Sébastien Blouin

**Title of Paper/Research:** Learning to stand with unexpected sensorimotor delays

**Journal:** eLife Research Article Neuroscience

**Date:** August, 2021

## Tohoku University

*Department of Human Information Sciences  
Department of Applied Information Sciences  
Graduate School of Information Sciences*

**Researcher:** Ryo Tachibana, Kazumichi Matsumiya

**Title of Paper/Research:** [Accuracy and precision of visual and auditory stimulus presentation in virtual reality in Python 2 and 3 environments for human behavior research](#)

**Journal:** Behavior Research Methods volume 54, pages729–751 (2022)

**Date:** August, 2021

## Moss Rehabilitation Research Institute Kennedy Krieger Institute Johns Hopkins School of Medicine

*Department of Neuroscience*

**Researcher:** Amanda S. Therrien, Matthew A. Statton, Amy J. Bastian

**Title of Paper/Research:** [Reinforcement Signaling Can Be Used to Reduce Elements of Cerebellar Reaching Ataxia](#)

**Journal:** The Cerebellum volume 20, pages62–73 (2021)

**Date:** September, 2020

## Center for Interdisciplinary Research in Rehabilitation and Social Integration Neuroscience Thematic Research Center Université Claude Bernard Lyon

*PsyR2 Team, Centre Hospitalier Le Vinatier,  
INSERM U1028/CNRS UMR5292, Lyon  
Neurosciences Research Center*

**Researcher:** Charline Dambreville, Cécilia Neige, Catherine Mercier, Andreanne K. Blanchette, Laurent J. Bouyer

**Title of Paper/Research:** [Corticospinal Excitability Quantification During a Visually-Guided Precision Walking Task in Humans: Potential for Neurorehabilitation](#)

**Journal:** Neurorehabilitation and Neural Repair, Volume 36 Issue 10-11, November 2022y

**Date:** September, 2020

## Université Laval

*Department of Rehabilitation, Faculty of  
Medicine  
Neuroscience Thematic Research Center*



**Ludwig-Maximilians-Universität München**

*Department Biologie II*

**Bernstein Center for Computational Neuroscience Munich**

**Researcher:** Dustin Fetterhoff, Andrey Sobolev, Christian Leibold

**Title of Paper/Research:** Graded remapping of hippocampal ensembles under sensory conflicts

**Journal:** Cell Reports Volume 36, Issue 11

**Date:** September, 2021

**University of British Columbia**

*School of Kinesiology*

**University of Tübingen**

*Graduate Training Centre of Neuroscience,  
International Max Planck Research School*

**University Medicine Berlin**

*Clinical Neurotechnology Lab, Neuroscience  
Research Center (NWFZ), Department of  
Psychiatry and Psychotherapy, Charité*

**Researcher:** Mareike Vermehren, Mark G. Carpenter

**Title of Paper/Research:** Virtual postural threat facilitates the detection of visual stimuli

**Journal:** Neuroscience Letters Volume 736, 25 September 2020, 135298

**Date:** September, 2020

**University of Gävle**

**Uppsala University**

**Lantmäteriet**

**City of Stockholm Cadastral Authority  
(Lantmäterimyndigheten)**

**Aalborg University**

**KTH Royal Institute of Technology**

**Researcher:** Stefan Seipel, Martin Andrée, Karolina Larsson, Jesper M. Paasch,  
Jenny Paulsson

**Title of Paper/Research:** Visualization of 3D Property Data and Assessment of the Impact of Rendering Attributes

**Journal:** Journal of Geovisualization and Spatial Analysis volume 4, Article number: 23 (2020)

**Date:** October, 2020

**Max Planck Institute for Psycholinguistics  
Tilburg University**

*The Netherlands; Department of  
Communication and Cognition, TiCC*

**Radboud University**

*Donders Institute for Brain, Cognition and  
Behaviour*

**Researcher:** Eleanor Huizeling, David Peetersa, Peter Hagoort

**Title of Paper/Research:** Prediction of upcoming speech under fluent and disfluent conditions: eye tracking evidence from immersive virtual reality

**Journal:** Language, Cognition and Neuroscience Volume 37, 2022 - Issue 4

**Date:** November, 2021

**Arizona State University**

*School of Biological and Health Systems  
Engineering*

**Researcher:** Preyaporn Phataraphruk, Qasim Rahman, Kishor Lakshminarayanan, Mitchell Fruchtman, Christopher A. Buneo

**Title of Paper/Research:** Postural effects on arm movement variability are idiosyncratic and feedback-dependent

**Journal:** bioRxiv The Preprint Server for Biology

**Date:** December, 2020

**Max Planck Institute for Psycholinguistics  
Radboud University**

*Behavioural Science Institute  
Donders Institute for Brain, Cognition,  
and Behaviour*

**Tilburg University**

*Department of Communication and Cognition,  
TiCC*

**Researcher:** Evelien Heyselaara

**Title of Paper/Research:** Do we predict upcoming speech content in naturalistic environments?

**Journal:** Language, Cognition and Neuroscience Volume 36, 2021 - Issue 4

**Date:** December, 2020

## University College London

*Institute of Cognitive Neuroscience*

## Kobe University

*Japan Society for the Promotion of Science,  
and Graduate School of Human Development  
and Environment*

**Researcher:** Tian Ye, Fumikazu Furumi, Daniel Catarino da Silva, Antonia Hamilton

**Title of Paper/Research:** [Taking the perspectives of many people: Humanization matters](#)

**Journal:** Psychonomic Bulletin & Review volume 28, pages888–897 (2021)

**Date:** December, 2020

## Technical University of Munich

## University of Würzburg

## Charite – Universitätsmedizin Berlin

**Researcher:** Daniel Roth, Christian Felix Purps, Wolf-Julian Neumann

**Title of Paper/Research:** [A Virtual Morris Water Maze to Study Neurodegenerative Disorders](#)

**Journal:** 2020 IEEE International Symposium on Mixed and Augmented Reality Adjunct (ISMAR-Adjunct)

**Date:** December, 2020

## University of Iowa

*Department of Psychological and Brain  
Sciences*

*Interdisciplinary Graduate Program in  
Neuroscience*

*Iowa Neuroscience Institute*

*Department of Radiology*

*Department of Biomedical Engineering*

*Department of Psychiatry*

*Pappajohn Biomedical Institute*

*Department of Neurology*

## University of Texas at Austin

*Department of Psychology*

**Researcher:** Matthew J. Sodoma, Rachel C. Cole, Taylor J. Sloan, Chase M. Hamilton, James D. Kent, Vincent A. Magnotta, Michelle W. Voss

**Title of Paper/Research:** [Hippocampal acidity and volume are differentially associated with spatial navigation in older adults](#)

**Journal:** NeuroImage Volume 245, 118682

**Date:** December, 2021



## Ludwig-Maximilians-Universität München

*Faculty of Biology*

*German Center for Vertigo and Balance Disorders*

## Bernstein Center for Computational Neuroscience Munich

**Researcher:** Josephine Henke, David Bunk, Dina von Werder, Stefan Häusler, Virginia L Flanagin, Kay Thurley

**Title of Paper/Research:** Distributed coding of duration in rodent prefrontal cortex during time reproduction

**Journal:** eLife Neuroscience

**Date:** December, 2021

## Johns Hopkins University

*Department of Neuroscience*

**Researcher:** Cristina Rossi

**Title of Paper/Research:** Mechanisms of Motor and Perceptual Learning in Locomotor Adaptation

**Journal:** Johns Hopkins ETD -- Doctoral Dissertations

**Date:** January, 2022

## Brandenburg University of Technology Cottbus-Senftenberg

*Computational Neuroscience*

## Ludwig-Maximilians-University

*Experimental Psychology, Department of Psychology*

**Researcher:** Stefan Glasauer, Zhuanghua Shi

**Title of Paper/Research:** Individual beliefs about temporal continuity explain variation of perceptual biases

**Journal:** bioRxiv The Preprint Server for Biology

**Date:** January, 2022

## National Institutes of Health

*Social and Behavioral Research Branch,  
National Human Genome Research Institute*

## US Food and Drug Administration

*Office of Science and Engineering  
Laboratories*

**Researcher:** Alison Jane Martingano, Ellenor Brown, Sydney H Telaak, Alexander P Dolwick, Susan Persky

**Title of Paper/Research:** Cybersickness Variability by Race: Findings From 6 Studies and a Mini Meta-analysis

**Journal:** Journal of Medical Internet Research

**Date:** January, 2022

## Indian Institute of Technology Delhi

*Centre for Biomedical Engineering*

## All India Institute of Medical Sciences

*Department of Neurology  
Department of Biomedical Engineering*

**Researcher:** Debasish Nath, Neha Singh, Megha Saini, M. V. Padma Srivastava, Amit Mehndiratta

**Title of Paper/Research:** Design and Validation of Virtual Reality Task for Neuro-Rehabilitation of Distal Upper Extremities

**Journal:** Int. J. Environ. Res. Public Health 2022, 19(3), 1442

**Date:** January, 2022

## University of Coimbra

*CIBIT - Coimbra Institute for Biomedical  
Imaging and Translational Research*

*ICNAS - Institute of Nuclear Sciences Applied  
to Health*

*Neurodevelopmental and Autism Unit from  
Child Developmental Center*

*Hospital Pediátrico*

**Researcher:** Susana Mouga, Isabel Catarina Duarte, Cátia Café, Daniela Sousa, Frederico Duque, Guiomar Oliveira, Miguel Castelo-Branco

**Title of Paper/Research:** Parahippocampal deactivation and hyperactivation of central executive, saliency and social cognition networks in autism spectrum disorder

**Journal:** Journal of Neurodevelopmental Disorders volume 14, Article number: 9 (2022)

**Date:** January, 2022

## University of Coimbra

*Coimbra Institute for Biomedical Imaging and  
Translational Research (CIBIT)/ICNAS, Faculty  
of Medicine*

## University of Coimbra

*CISUC-Centre for Informatics and Systems*

## Coimbra Polytechnic—ISEC

**Researcher:** Joao Castelhana, Isabel C. Duarte, Ricardo Couceiro, Julio Medeiros,  
Joao Duraes, Sónia Afonso, Henrique Madeira, Miguel Castelo-Brancocorresponding

**Title of Paper/Research:** Software Bug Detection Causes a Shift From Bottom-Up to  
Top-Down Effective Connectivity Involving the Insula Within the Error-Monitoring Network

**Journal:** Frontiers in Human Neuroscience. 2022; 16: 788272.

**Date:** March, 2022

## University of British Columbia

*School of Kinesiology  
Djavad Mowafaghian Centre for Brain Health  
International Collaboration on Repair  
Discoveries  
Faculty of Medicine*

**Researcher:** Emma I. Nielsen, Taylor W. Cleworth, Mark G. Carpenter

**Title of Paper/Research:** Exploring emotional-modulation of visually evoked postural  
responses through virtual reality

**Journal:** Neuroscience Letters – Volume 777, 136586

**Date:** April, 2022

## York University

*School of Kinesiology and Health Science*

## Zhejiang University

*Department of Psychology and Behavioral  
Sciences*

## German Center for Neurodegenerative Diseases (DZNE)

## Otto-von-Guericke University Magdeburg

*Department of Neurology  
Center for Behavioral Brain Sciences (CBBS)*

**Researcher:** Xiaoli Chen, Ziwei Wei, Thomas Wolbers

**Title of Paper/Research:** Coexistence of Cue-specific and Cue-independent Spatial  
Representations for Landmarks and Self-motion Cues in Human Retrosplenial Cortex

**Journal:** bioRxiv The Preprint Server for Biology

**Date:** May, 2022



## Maastricht University

*School of Health Professions Education*

### Interuniversity Center for Educational Research

### Netherlands Organization for Scientific Research

**Researcher:** Joy Yeonjoo Lee

**Title of Paper/Research:** [The Medical Pause in Simulation Training](#)

**Journal:** The Medical Pause in Simulation Training

**Date:** June, 2022

## Brandenburg University of Technology Cottbus-Senftenberg (BTU Cottbus-Senftenberg)

*Computational Neuroscience*

## Ludwig-Maximilians-University

*Experimental Psychology, Department of Psychology*

**Researcher:** Stefan Glasauer, Zhuanghua Shi

**Title of Paper/Research:** [Individual beliefs about temporal continuity explain variation of perceptual biases](#)

**Journal:** Scientific Reports volume 12, Article number: 10746 (2022)

**Date:** June, 2022

## University of Manchester

*Virtual Reality Research (VR2) Facility,  
Division of Neuroscience and Experimental Psychology*

**Researcher:** Paul A. Warren, Graham Bell, Yu Li

**Title of Paper/Research:** [Investigating distortions in perceptual stability during different self-movements using virtual reality](#)

**Journal:** Perception 2022, Vol. 51(10) 681–697

**Date:** June, 2022

## University of Nebraska Medical Center

*Department of Health and Rehabilitation  
Science, College of Allied Health Professions*

### Independent Researcher

**Researcher:** Muchen Ren, Tangdi Lin, Jung Hung Chien

**Title of Paper/Research:** Different Types of Visual Perturbation Induced Different Demands and Patterns in Active Control: Implication for Future Sensorimotor Training

**Journal:** Frontiers Physiology Section Environmental, Aviation and Space Physiology

**Date:** July, 2022

## Max Planck Society

*Language and Cognition Department  
MPI for Psycholinguistics*

## Radboud University Nijmegen, External Organizations

*Communication in Social Interaction*

## Donders Institute for Brain, Cognition and Behaviour

**Researcher:** Paul Hömke, Stephen C. Levinson, Judith Holler

**Title of Paper/Research:** Eyeblink movements as signals of communicative problems in human face-to-face interaction

**Journal:** MPG Pu Republication Repository

**Date:** July, 2022

## MPI for Psycholinguistics

*Neurobiology of Language Department  
International Max Planck Research School  
for Language Sciences*

## Max Planck Society

## University of Amsterdam

**Researcher:** Julia Misersky, Monique Flecken

**Title of Paper/Research:** The potential of immersive virtual reality for the study of event perception

**Journal:** Frontiers in Virtual Reality, 3: 697934

**Date:** July, 2022

## Yonsei University College of Medicine

*Department of Psychiatry*

*Department of Neurology*

*Department of Computer Science*

*Institute of Behavioral Science in Medicine*

*Biostatistics Collaboration Unit, Department  
of Research Affairs*

**Researcher:** Yoon Jae Cho, Jung Yon Yum, Kwanguk Kim, Bokyoung Shin, Hyojung Eom, Yeon-ju Hong, Jiwoong Heo, Jae-jin Kim, Hye Sun Lee, Eunjo Kim

**Title of Paper/Research:** Evaluating attention deficit hyperactivity disorder symptoms in children and adolescents through tracked head movements in a virtual reality classroom: The effect of social cues with different sensory modalities

**Journal:** Frontiers in Human Neuroscience 2022; 16: 943478.

**Date:** August, 2022

## University of Nebraska Medical Center

*Department of Health & Rehabilitation*

*Sciences, College of Allied Health Professions*

*Department of Biostatistics, College of  
Public Health*

**Researcher:** Jie Hao, Robin High, Ka-Chun Siu

**Title of Paper/Research:** Gender-specific visual perturbation effects on muscle activation during incline treadmill walking: a virtual reality study

**Journal:** Ergonomics

**Date:** August, 2022

## Ludwig-Maximilians-Universität München

*Faculty of Biology*

*German Center for Vertigo and Balance  
Disorders*

**Researcher:** Josphine Henke, Virginia L. Flanagan, Kay Thurley

**Title of Paper/Research:** A virtual reality time reproduction task for rodents

**Journal:** Frontiers in Behavioral Neuroscience Sec. Learning and Memory Volume 16 - 2022

**Date:** August, 2022

## Bernstein Center for Computational Neuroscience Munich



**George Mason University**

*Cognitive and Behavioral Neuroscience*

**University of Arizona**

*Cognition & Neural Systems Human Spatial  
Cognition Laboratory*

**Researcher:** Keri Anne Gladhill, Eva Marie Robinson, Candice Stanfield-Wiswall, Farah Baderz, Martin Wiener

**Title of Paper/Research:** [Anchors for Time, Distance, and Magnitude in Virtual Movements](#)

**Journal:** bioRxiv The Preprint Server for Biology

**Date:** September, 2022

**Universidad Nebrija**

*Centro de Investigación Nebrija en Cognición  
(CINC)*

**UiT The Arctic University of Norway**

*AcqVA Aurora Center*

**Researcher:** Francisco Rocabado, Jorge González Alonso, Jon Andoni Duñabeitia

**Title of Paper/Research:** [Environment Context Variability and Incidental Word Learning: A Virtual Reality Study](#)

**Journal:** Brain Science. 2022, 12(11), 1516

**Date:** November, 2022

**York University**

*Graduate Program in Kinesiology and Health  
Science*

**Researcher:** Lisa Karen Lavalle

**Title of Paper/Research:** [Contribution of Modified Visual Gain to Human Balance Control During Quiet, Upright Stance](#)

**Journal:** YorkSpace Institutional Repository

**Date:** December, 2022

**Indian Institute of Technology Gandhinagar**

*Center for Cognitive and Brain Sciences  
Electrical Engineering Department*

**McGill University**

*Faculty of Medicine*

**Indian Institute of Technology Hyderabad**

**Researcher:** Pradeep Raj Krishnappa Babu, Sujata Sinha, Arvind S. Roshan, Uttama Lahiri

**Title of Paper/Research:** [Multiuser Digital Platform to Promote Interaction Skill in Individuals With Autism](#)

**Journal:** IEEE Transactions on Learning Technologies, vol. 15, no. 6, pp. 798-811

**Date:** December, 2022

## York University

*School of Kinesiology and Health Science,  
Centre for Vision Research*

## Queen's University

*School of Medicine*

**Researcher:** Lisa K. Lavalle, Taylor W. Cleworth

**Title of Paper/Research:** [The effect of modified optic flow gain on quiet stance](#)

**Journal:** Neuroscience Letters – Volume 797, 16 February 2023, 137068

**Date:** January, 2023

## University of British Columbia

**Researcher:** Nicola C. Anderson, Walter F. Bischof, Alan Kingstone

**Title of Paper/Research:** [Eye Tracking in Virtual Reality](#)

**Journal:** Current Topics in Behavioral Neurosciences book series

**Date:** January, 2023

## University of Waterloo

*Kinesiology*

**Researcher:** Pershia Norouzian

**Title of Paper/Research:** [The Effects of Trait and State Anxiety on Gait in Healthy Young Adults](#)

**Journal:** Waterloo's Institutional Repository

**Date:** January, 2023

## Wayne State University

*Department of Pharmacy Practice, Eugene Applebaum College of Pharmacy and Health Sciences*

*Translational Neuroscience Program, School of Medicine*

*Department of Psychiatry and Behavioral Neurosciences, School of Medicine*

*Merrill Palmer Skillman Institute for Child and Family Development*

*Department of Pharmaceutical Sciences, College of Pharmacy and Health Sciences*

**Researcher:** Nicole L. Zabik, Craig Peters, Allesandra Iadipalo, Hilary A. Marusak, Christine A. Rabinak

**Title of Paper/Research:** Comparison of behavioral and brain indices of fear renewal during a standard vs. novel immersive reality Pavlovian fear extinction paradigm in healthy adults

**Journal:** Behavioural Brain Research

**Date:** February, 2023

## Yangtze University

*School of Education and Sports Science*

**Researcher:** Wenjing Wang, Xiaoshan Li

**Title of Paper/Research:** Spatial Navigation Test with Virtual Starmaze: the Role of Spatial Strategy in Science, Technology, Engineering, and Mathematics (STEM) Education

**Journal:** Journal of Science Education and Technology (2023)

**Date:** March, 2023



**Max Planck Institute for Human Cognitive and Brain Sciences**

**Max Planck Research Group NeuroCode, Max Planck Institute for Human Development**

**Max Planck Institute for Biological Cybernetics**

**Max Planck UCL Centre for Computational Psychiatry and Ageing Research**

**Universität Hamburg**

*Institute of Psychology*

**Kavli Institute for Systems Neuroscience, Centre for Neural Computation, The Egil and Pauline Braathen and Fred Kavli Centre for Cortical Microcircuits, Jebsen Centre for Alzheimer's Disease NTNU**

**Leipzig University**

*Wilhelm Wundt Institute of Psychology*

**Researcher:** Mona M. Garvert, Tankred Saanum, Eric Schulz, Nicolas W. Schuck, Christian F. Doeller

**Title of Paper/Research:** [Hippocampal spatio-predictive cognitive maps adaptively guide reward generalization](#)

**Journal:** Nature Neuroscience volume 26, pages615–626 (2023)

**Date:** April, 2023

**Maastricht University**

*Department of Clinical Psychological Science, Faculty of Psychology and Neuroscience*

**Radboud University**

*Department Developmental Psychopathology, Brain Science Institute*

**Researcher:** Jill Lobbestael, Maaïke J. Cima

**Title of Paper/Research:** [Virtual Reality for Aggression Assessment: The Development and Preliminary Results of Two Virtual Reality Tasks to Assess Reactive and Proactive Aggression in Males](#)

**Journal:** Brain Science. 2021, 11(12), 1653

**CIUSSS-CN, IRDPQ**

*Centre for Interdisciplinary Research in  
Rehabilitation and Social Integration*

**Université Laval**

*Department of Rehabilitation, Faculty of  
Medicine*

**Researcher:** Félix Fiset, Bradford J. McFadyen, CIRRI-CIUSSS-CN

**Title of Paper/Research:** [The Switching of Trailing Limb Anticipatory Locomotor Adjustments is Uninfluenced by what the Leading Limb Does, but General Time Constraints Remain](#)

**Journal:** Appl. Sci. 2020, 10(7), 2256

**Date:** March, 2020

**Perelman School of Medicine at the University  
of Pennsylvania**

*Department of Psychiatry*

**Charité—Universitätsmedizin Berlin**

*Corporate Member of Freie Universität Berlin,  
Humboldt-Universität zu Berlin, and Berlin Institute of  
Health, Institute of Physiology*

**German Center for Neurodegenerative  
Diseases (DZNE)**

*Aging and Cognition Research Group*

**Normandie Université**

*UNICAEN, INSERM, COMETE*

**University Medical Center Hamburg-Eppendorf**

*Department of Psychiatry and Psychotherapy*

**Max Planck Institute for Human Development**

*Lise Meitner Group for Environmental  
Neuroscience*

**Researcher:** Alexander Christoph Stahn, Martin Riemer, Thomas Wolbers, Anika Werner, Katharina Brauns, Stephane Besnard, Pierre Denise, Simone Kühn, Hanns-Christian Gunga

**Title of Paper/Research:** [Spatial Updating Depends on Gravity](#)

**Journal:** Front. Neural Circuits Volume 14 - 2020

**Date:** June, 2020

**Lucile Packard Children's Hospital Stanford,  
Stanford University**

*Department of Anesthesiology, Perioperative,  
and Pain Medicine*

**Researcher:** Sydney Hemphill, Alan Nguyen, Samuel T Rodriguez, Maria Menendez,  
Ellen Wang, Kiley Lawrence, Thomas J Caruso

**Title of Paper/Research:** Mobilization and calibration of the HTC VIVE for virtual reality  
physical therapy

**Journal:** Digital Health, Volume 6: 1–4

**Date:** July, 2020

**Virginia Commonwealth University  
Harvard University  
McGill University  
Ohio University**

**Researcher:** Susanne M van der Veen, Alexander Stamenkovic, Megan E Applegate,  
Samuel T Leitkam, Christopher R France, James S Thomas

**Title of Paper/Research:** Effects of Avatar Perspective on Joint Excursions Used to Play  
Virtual Dodgeball: Within-Subject Comparative Study

**Journal:** JMIR Serious Games 2020;8(3):e18888

**Date:** August, 2020

**Texas State University**

*Department of Health and Human Performance*

**University of Virginia**

*Department of Kinesiology*

*Department of Orthopedic Surgery*

**Creighton University**

*Department of Physical Therapy*

**Researcher:** Rachel M. Koldenhoven, Abbis H. Jaffri, Alexandra F. DeJong, Mark Abel,  
Joseph Hart, Susan Saliba, Jay Hertel

**Title of Paper/Research:** Gait biofeedback and impairment-based rehabilitation for chronic  
ankle instability

**Journal:** Scandinavian Journal of Medicine & Science In Sports, Volume31, Issue1, January  
2021, Pages 193-204

**Date:** September, 2020



## University of Zaragoza

*IDERGO-Research and Development in  
Ergonomics, Biomechanical Laboratory,  
I3A-University Institute of Research of  
Engineering of Aragon  
Department of Design and Manufacturing  
Engineering*

## Hospital of Alcañiz

*Physical Medicine and Rehabilitation*

**Researcher:** Juan De la Torre, Javier Marin, Marco Polo, José J. Marín

**Title of Paper/Research:** Applying the Minimal Detectable Change of a Static and Dynamic Balance Test Using a Portable Stabilometric Platform to Individually Assess Patients with Balance Disorders

**Journal:** Healthcare 2020, 8(4), 402

**Date:** October, 2020

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## University of Oregon

*Department of Human Physiology*

## Monash University

*Monash Biomedical Imaging*

*Turner Institute for Brain and Mental Health*

## University of California Santa Barbara

*Department of Psychological & Brain Sciences*

**Researcher:** Michelle Marneweck, Scott T Grafton

**Title of Paper/Research:** Overt and Covert Object Features Mediate Timing of Patterned Brain Activity during Motor Planning

**Journal:** Cerebral Cortex Communications, Volume 1, Issue 1, 2020, tgaa080

**Date:** October, 2020

## Bar-Ilan University

*The Mina and Everard Goodman Faculty of Life Sciences*

*The Gonda Brain Research Center*

## The Paul Feder Alzheimer's Disease Research Laboratory

## Israeli Defense Forces Medical Corps

*The Institute of Military Physiology*

## Heller Institute of Medical Research

*Sheba Medical Center*

## Hebrew University

*Department of Military Medicine,  
Faculty of Medicine*

**Researcher:** Tavor Ben Zeev, Inbal Weiss, Saar Ashri, Yuval Heled, Itay Ketko, Ran Yanovich, Eitan Okun

**Title of Paper/Research:** Mild Physical Activity Does Not Improve Spatial Learning in a Virtual Environment

**Journal:** Front. Behav. Neurosci., Sec. Learning and Memory

**Date:** November, 2020

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## Motor Control & Learning Laboratory, Institute of Human Movement Sciences and Sport

*Department of Health Sciences and Technology*

## University College London

*Aspire Centre for Rehabilitation Engineering and Assistive Technologies*

## Karolinska Institute

*Division of Physiotherapy, Department of Neurobiology, Care Sciences and Society*

**Researcher:** Yu Imaoka, Nadja Saba, Anne Vanhoostenberghe, Eling D. de Bruin

**Title of Paper/Research:** Triggering Postural Movements With Virtual Reality Technology in Healthy Young and Older Adults: A Cross-Sectional Validation Study for Early Dementia Screening

**Journal:** Front. Med., Sec. Family Medicine and Primary Care Volume 7 - 2020

**Date:** November, 2020

**University of Nebraska Medical Center**

*Division of Physical Therapy, College of Allied Health Professions*

**Researcher:** Jie Hao, Ka-Chun Siu

**Title of Paper/Research:** [External visual perturbation impacts muscle activation while walking on incline treadmill](#)

**Journal:** Acta Astronautica, Volume 180, March 2021, Pages 482-488

**Date:** January, 2021

**Northeastern University**

*Department of Physical Therapy, Movement and Rehabilitation Sciences*

*Department of Electrical and Computer Engineering*

*Department of Bioengineering*

**The Jerzy Kukuczka Academy of Physical Education**

*Institute of Sport Sciences*

**Researcher:** Madhur Mangalam, Mathew Yarossi, Mariusz P. Furmanek, Eugene Tunik

**Title of Paper/Research:** [Control of aperture closure during reach-to-grasp movements in immersive haptic-free virtual reality](#)

**Journal:** Experimental Brain Research volume 239, pages1651–1665 (2021)

**Date:** March, 2021

**Boston University**

*Department of Occupational Therapy, Sargent College*

**Springfield College**

*Department of Occupational Therapy*

**Researcher:** Vineeta Pandey, Lori Vaughn

**Title of Paper/Research:** [The Potential of Virtual Reality in Social Skills Training for Autism: Bridging the Gap Between Research and Adoption of Virtual Reality in Occupational Therapy Practice.](#)

**Journal:** The Open Journal of Occupational Therapy, 9(3), 1-12.

**Date:** July, 2021



## West Virginia University

*Department of Human Performance,  
Division of Physical Therapy,  
School of Medicine  
Rockefeller Neuroscience Institute,  
Department of Neuroscience  
Department of Neurology, School of Medicine*

**Researcher:** Ariel B. Thomas, Erienne V. Olesh, Amelia Adcock, Valeriya Gritsenko  
**Title of Paper/Research:** Muscle torques and joint accelerations provide more sensitive measures of poststroke movement deficits than joint angles  
**Journal:** Journal of Neurophysiology Vol. 126, No. 2  
**Date:** August, 2021

## West Virginia University Center for Teleneurology and Telestroke

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## Northeastern University

*Department of Physical Therapy, Movement  
and Rehabilitation Sciences  
Department of Electrical and Computer  
Engineering  
Department of Bioengineering*

**Researcher:** Mariusz P. Furmanek, Madhur Mangalam, Kyle Lockwood, Andrea Smith, Mathew Yarossi, Eugene Tunik  
**Title of Paper/Research:** Effects of Sensory Feedback and Collider Size on Reach-to-Grasp Coordination in Haptic-Free Virtual Reality  
**Journal:** „Sec. Virtual Reality and Human Behaviour Volume 2 - 2021“  
**Date:** August, 2021

## Institute of Sport Sciences

*Academy of Physical Education*

## University of Otago

*School of Physical Education, Sport, and  
Exercise Sciences*

## University Medical Center Rotterdam

*Department of Neuroscience, Erasmus MC*

## University of British Columbia

*School of Kinesiology  
Djavad Mowafaghian Centre for Brain Health  
Institute for Computing, Information and  
Cognitive System*

## University of Calgary

*Faculty of Kinesiology*

## Hotchkiss Brain Institute

## University of New Brunswick

*Faculty of Kinesiology*

**Researcher:** Brandon G Rasman, Patrick A Forbes, Ryan M Peters, Oscar Ortiz, Ian Franks,  
J Timothy Inglis, Romeo Chua, Jean-Sébastien Blouin

**Title of Paper/Research:** [Learning to stand with unexpected sensorimotor delays](#)

**Journal:** eLife digest

**Date:** September, 2021

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## Northeastern University

*Department of Physical Therapy, Movement  
and Rehabilitation Sciences*

*Department of Electrical and Computer  
Engineering*

*Department of Bioengineering*

## The Jerzy Kukuczka Academy of Physical Education in Katowice

*Institute of Sport Sciences*

**Researcher:** Mariusz P. Furmanek, Madhur Mangalam, Mathew Yarossi, Kyle Lockwood,  
Eugene Tunik

**Title of Paper/Research:** [A kinematic and EMG dataset of online adjustment of  
reach-to-grasp movements to visual perturbations](#)

**Journal:** Scientific Data volume 9, Article number: 23 (2022)

**Date:** January, 2022

## Shanghai University of Sport

*School of Physical Education and Training*

## Guangdong Polytechnic of Science and Technology

*School of Sports and Health*

## South China University of Technology

*School of Physical Education*

**Researcher:** Qiang Wang, Xing Wang, Lei Xu

**Title of Paper/Research:** [Intelligent Somatosensory Interactive Activities Restore Motor Function to Children with Autism](#)

**Journal:** Journal of Healthcare Engineering, vol. 2022, Article ID 4516005, 12 pages, 2022

**Date:** March, 2022

## RWTH Aachen University

*Molecular and Systems Neurophysiology,  
Institute of Biology II*

**Researcher:** Alexander Bexter

**Title of Paper/Research:** [MazeMaster: an open-source Python-based software package for controlling virtual reality experiments](#)

**Journal:** bioRxiv The Preprint Server for Biology

**Date:** April, 2022

## West Virginia University

*Departments of Human Performance and  
Neuroscience, Rockefeller Neuroscience  
Center*

## Imperial College London

*Department of Medicine*

**Researcher:** Russell L. Hardesty, Peter H. Ellaway, Valeriya Gritsenko

**Title of Paper/Research:** [The human motor cortex contributes to gravity compensation to maintain posture and during reaching](#)

**Journal:** Journal of Neurophysiology

**Date:** December, 2022



## University of Alberta

*Department of Psychology*

**Researcher:** Zhang Lei, Mou Weimin, Xuehui Lei, Yu Du

**Title of Paper/Research:** Cue combination used to update the navigator's self-localization, not the home location

**Journal:** Journal of Experimental Psychology: Learning, Memory, and Cognition, 46(12), 2314–2339

**Date:** December, 2019

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## Durham University

*Department of Psychology*

## University of Verona

*Department of Neurosciences,  
Biomedicine and Movement Sciences*

**Researcher:** James Negen, Angela Sandri, Sang Ah Lee, Marko Nardini

**Title of Paper/Research:** Boundaries in spatial cognition: Looking like a boundary is more important than being a boundary.

**Journal:** Learning, Memory, and Cognition, 46(6), 1007–1021

**Date:** 2020

## Korea Advanced Institute of Science and Technology

*Department of Bio and Brain Engineering*

## University of Zurich

*Department of Geography, Geographic Information Visualization and Analysis, Digital Society Initiative*

## ETH Zurich

*Department of Humanities, Social and Political Science, Chair of Cognitive Science*

**Researcher:** Sascha Credé, Tyler Thrash, Christoph Hölscher, Sara Irina Fabrikant

**Title of Paper/Research:** [The advantage of globally visible landmarks for spatial learning](#)

**Journal:** Journal of Environmental Psychology Volume 67, February 2020, 101369

**Date:** February, 2020

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## Monash University

*School of Psychological Sciences*

## University of California

*Department of Psychological and Brain Sciences*

**Researcher:** Michelle Marneweck, Scott T. Grafton

**Title of Paper/Research:** [Representational Neural Mapping of Dexterous Grasping Before Lifting in Humans](#)

**Journal:** Journal of Neuroscience 25 March 2020, 40 (13) 2708-2716

**Date:** March, 2020

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## Johannes Gutenberg-University

*Department of Psychology*

## University Mainz

*University Medical Center of the Johannes Gutenberg*

**Human Medical Center, Clinic for Psychiatry and Psychotherapy, Forensic Psychiatry**

**Researcher:** Robin Welsch, Christoph von Castell, Martin Rettenberger, Daniel Turner, Heiko Hecht, Peter Fromberger

**Title of Paper/Research:** [Sexual attraction modulates interpersonal distance and approach-avoidance movements towards virtual agents in males](#)

**Journal:** Plos One

**Date:** April, 2020

## University of Leeds

*School of Psychology  
Centre for Immersive Technologies*

**Researcher:** Jack Brookes, Matthew Warburton, Mshari Alghadier, Mark Mon-Williams, Faisal Mushtaq

**Title of Paper/Research:** Studying human behavior with virtual reality: The Unity Experiment Framework

**Journal:** Behavior Research Methods volume 52, pages455–463 (2020)

**Date:** April, 2020

## Durham University

*Department of Psychology*

**Researcher:** James Negen, Laura-Ashleigh Bird, Eleanor King, Marko Nardini

**Title of Paper/Research:** The Difficulty of Effectively Using Allocentric Prior Information in a Spatial Recall Task

**Journal:** Scientific Reports volume 10, Article number: 7000 (2020)

**Date:** April, 2020

## University of Arizona

*Department of Psychology*

## George Mason University

*Department of Psychology*

**Researcher:** Eva Marie Robinson, Martin Wiener

**Title of Paper/Research:** Multiplexing of EEG signatures for temporal and spatial distance estimates

**Journal:** bioRxiv preprint

**Date:** May, 2020



## Vrije Universiteit

*Department of Clinical, Neuro and  
Developmental Psychology*

## University of Groningen

*Department of Psychiatry , University  
Medical Centre Groningen*

## Harvard Medical School

*Department of Health Care Policy*

## Trimbos Institute

*Centre of Economic Evaluation and  
Machine Learning*

## University Medical Centers Amsterdam

*Department of Epidemiology and Biostatistics*

## Parnassia Psychiatric Institute

*Department of Psychosis Research*

**Researcher:** Roos Pot-Kolder, Wim Veling, Chris Geraets, Joran Lokkerbol, Filip Smit, Alyssa Jongeneel, Helga Ising, Mark van der Gaag

**Title of Paper/Research:** Cost-Effectiveness of Virtual Reality Cognitive Behavioral Therapy for Psychosis: Health-Economic Evaluation Within a Randomized Controlled Trial

**Journal:** J Med Internet Res 2020;22(5):e17098

**Date:** May, 2020

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## University of Montreal

*Department of Psychology*

## Pontificia Universidad Católica de Chile

*Centro de Desarrollo de Tecnologías de  
Inclusión, Escuela de Psicología*

## Sainte-Justine Hospital Research Center

**Researcher:** Frédérick Morasse, Evelyn Vera-Estay, Miriam H. Beauchamp

**Title of Paper/Research:** Using virtual reality to optimize assessment of sociomoral skills

**Journal:** Virtual Reality volume 25, pages123–132 (2021)

**Date:** May, 2020

**University College London**

*Department of Psychology*

**Researcher:** Tian Ye

**Title of Paper/Research:** The mentalizing triangle: how interactions among self, other and object prompt mentalizing

**Journal:** UCL Discovery

**Date:** May, 2020

**University of Siegen**

*Chair of Marketing and Retailing*

**Researcher:** Florentine Frentz

**Title of Paper/Research:** Impulsivity Makes More Susceptible to Overeating After Contextual Appetitive Conditioning

**Journal:** Handel und Internationales Marketing Retailing and International Marketing book series (HIM)

**Date:** May, 2020

**Brown University**

*Dept. of Cognitive, Linguistic and Psychological Sciences*

**Researcher:** Brittany A. Baxter, William H. Warren

**Title of Paper/Research:** Route selection in barrier avoidance

**Journal:** Gait & Posture Volume 80, July 2020, Pages 192-198

**Date:** June, 2020

**University of Durham**

*Department of Psychology*

**Researcher:** James Negen, Angela Sandri, Sang Ah Lee, Marko Nardini

**Title of Paper/Research:** Boundaries in spatial cognition: Looking like a boundary is more important than being a boundary

**Journal:** Journal of Experimental Psychology: Learning, Memory, and Cognition, 46(6), 1007–1021

**Date:** June, 2020

## University of Iceland

*Icelandic Vision Laboratory, School of Health Sciences*

## University of Oxford

*Department of Psychiatry, Oxford Centre for Human Brain Activity, Wellcome Centre for Integrative Neuroimaging*

## National Research University Higher School of Economics

*School of Psychology*

**Researcher:** Tómas Kristjánsson, Dejan Draschkow, Ágúst Pálsson, Davíð Haraldsson, Pétur Örn Jónsson, Árni Kristjánsson

**Title of Paper/Research:** Moving foraging into three dimensions: Feature- versus conjunction-based foraging in virtual reality

**Journal:** Quarterly Journal of Experimental Psychology, 75(2), 313–327

**Date:** June, 2020

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## University of Nebraska, Lincoln

*Department of Psychology*

## University of Delaware

*Department of Psychological and Brain Sciences*

**Researcher:** Joshua E. Zosky, Timothy J. Vickery, Kerri A. Walter, Michael D. Dodd

**Title of Paper/Research:** Object-based warping in three-dimensional environments

**Journal:** Journal of Vision June 2020, Vol.20, 16

**Date:** June, 2020

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## University of Bern

*Faculty of Human Sciences*

**Researcher:** Stefan Weber

**Title of Paper/Research:** Perception and Emotion in Virtual Reality: The Role of the Body and the Contribution of Presence

**Journal:** BORIS Theses Bern Open Repository and Information System

**Date:** July, 2020



## University of Campania Luigi Vanvitelli

*Department of Psychology, Laboratory of  
Cognitive Science and Immersive Virtual  
Reality (CS-IVR)*

**Researcher:** Mariachiara Rapuano, Filomena Leonela Sbordon, Luigi Oreste Borrelli,  
Gennaro Ruggiero, Tina Iachini

**Title of Paper/Research:** The Effect of Facial Expressions on Interpersonal Space: A Gender  
Study in Immersive Virtual Reality

**Journal:** Smart Innovation, Systems and Technologies

**Date:** July, 2020

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## Cornell University

*Department of Human Development  
Department of Psychology*

## The University of Chicago

*Department of Psychology*

## Max Planck Institute for Psycholinguistics

*Neurobiology of Language Department*

## Radboud University Nijmegen

*Donders Institute for Brain, Cognition,  
and Behavior*

**Researcher:** Daniel Casasanto, Laura Staum Casasanto, Tom Gijssels, Peter Hagoort

**Title of Paper/Research:** The Reverse Chameleon Effect: Negative Social Consequences of  
Anatomical Mimicry

**Journal:** Frontiers in Psychology Sec. Emotion Science Volume 11 - 2020

**Date:** July, 2020

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## National Institutes of Health

*Social & Behavioral Research Branch*

**Researcher:** Chris Fortney, Susan Persky

**Title of Paper/Research:** Evaluation of a Virtual Reality-based Buffet to Address Challenges in  
Health Research and Practice

**Journal:** SIGGRAPH ,20: ACM SIGGRAPH 2020 Posters

**Date:** August, 2020

## University of Guelph

*Psychology Department*

**Researcher:** Barbara A Morrongiello, Michael Corbett, Julia Stewart

**Title of Paper/Research:** Understanding Sex Differences in Children's Injury Risk as Pedestrians

**Journal:** Journal of Pediatric Psychology, Volume 45, Issue 10, November-December 2020, Pages 1144–1152

**Date:** September, 2020

## University of Bern

*Institute of Psychology*

## Swiss Distance Learning University

*Überlandstrasse*

**Researcher:** Stefan Weber, Fred W. Mast, David Weibel

**Title of Paper/Research:** Body size illusions influence perceived size of objects: a validation of previous research in virtual reality

**Journal:** Virtual Reality volume 24, pages385–397 (2020)

**Date:** September, 2020

## Philipps Universität Marburg

*Department of Psychology*

**Researcher:** Benjamin Knopp, Dmytro Velychko, Johannes Dreibrod, Alexander C. Schütz, Dominik Endres

**Title of Paper/Research:** Evaluating Perceptual Predictions based on Movement Primitive Models in VR- and Online-Experiments

**Journal:** SAP ,20: ACM Symposium on Applied Perception 2020

**Date:** September, 2020

## University of Alberta

*Department of Psychology*

**Researcher:** Xuehui Lei

**Title of Paper/Research:** Developing global spatial memory by navigation in multiscale environment

**Journal:** ERA: Education and Research Archive University of Alberta research openly shared with the world

**Date:** September, 2020

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## East China Normal University

*School of Psychology and Cognitive Science*

## New York University Shanghai

*Institute of Brain and Cognitive Science*

*Faculty of Arts and Science*

## University of Muenster

*Institute for Psychology*

**Researcher:** Mingyang Xie, Diederick C. Niehorster, Markus Lappe, Li Li

**Title of Paper/Research:** Roles of visual and non-visual information in the perception of scene-relative object motion during walking

**Journal:** Journal of Vision October 2020, Vol.20, 15

**Date:** October, 2020

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## University of Northern Iowa

*Schindler Education Center*

**Researcher:** Taraneh Matloob Haghanikar, Lisa M. Hooper

**Title of Paper/Research:** Teaching About Homelessness Through Multicultural Picture Books and Virtual Reality in Preservice Teacher Education

**Journal:** Journal of Educational Technology Systems Volume 49, Issue 3

**Date:** October, 2020



**Zhejiang University of Technology**

*College of Education and Technology*

**Beijing Normal University**

*School of Psychology*

**Xidian University**

*Mental Health Education Center*

**Researcher:** Qing Liu, Wenjuan Zhang

**Title of Paper/Research:** Sex Differences in Stress Reactivity to the Trier Social Stress Test in Virtual Reality

**Journal:** Psychology Research and Behavior Management 2020:13 859–869

**Date:** October, 2020

**University of Bern**

*Department of Psychology*

**Swiss Distance University Institute**

**Researcher:** Sandra Chiquet, Corinna S. Martarelli, Fred W. Mast

**Title of Paper/Research:** Eye movements to absent objects during mental imagery and visual memory in immersive virtual reality

**Journal:** Virtual Reality volume 25, pages655–667 (2021)

**Date:** October, 2020

**University of Campania Luigi Vanvitelli**

*Department of Psychology, Laboratory of Cognitive Science and Immersive Virtual Reality (CS-IVR)*

**Researcher:** Mariachiara Rapuano, Antonella Ferrara, Filomena Leonela Sbordon, Francesco Ruotolo, Gennaro Ruggiero

**Title of Paper/Research:** The Appearance of the Avatar Can Enhance the Sense of Co-Presence During Virtual Interactions with Users

**Journal:** Psychobit 2020

**Date:** November, 2020

## Stanford University

*Department of Psychology  
Department of Communication  
Wu Tsai Neurosciences Institute*

**Researcher:** Shao-Fang Wang, Valerie A. Carr, Serra E. Favila, Jeremy N. Bailenson, Thackery I. Brown, Jiefeng Jiang, Anthony D. Wagner

**Title of Paper/Research:** [Representations of local spatial information in the human medial temporal lobe during memory-guided navigation](#)

**Journal:** bioRxiv The Preprint Server for Biology

**Date:** November, 2020

## San Jose State University

*Department of Psychology*

## New York University

*Department of Psychology*

## Georgia Institute of Technology

*School of Psychology*

## Tilburg University

*Department of Cognitive Science &  
Artificial Intelligence*

**Researcher:** Tycho T. de Back, Angelica M. Tinga, Phong Nguyen, Max M. Louwerse

**Title of Paper/Research:** [Benefits of immersive collaborative learning in CAVE-based virtual reality](#)

**Journal:** International Journal of Educational Technology in Higher Education volume 17, Article number: 51 (2020)

**Date:** November, 2020

## Radboud Universiteit Nijmegen

*Experimental Psychology*

**Researcher:** Lukas Spieß

**Title of Paper/Research:** [Who Are You and How Many? The Role of Individual Knowledge and Group Knowledge in Socail Predictions](#)

**Journal:** Donder Series

**Date:** November, 2020

## Univeristy of Reading

*School of Psychology and Clinical Language  
Sciences*

**Researcher:** Charlotte Mary Goodwin

**Title of Paper/Research:** fMRI investigations into the effect of spatial attention shifting and visual perception of separation on BOLD responses in the superior parietal lobule

**Journal:** Central Archive at University of Reading

**Date:** December, 2020

## Tel-Aviv University

*The School of Psychological Sciences  
The Sagol School of Neuroscience*

**Researcher:** Noa Simhi, Galit Yovel

**Title of Paper/Research:** Dissociating gait from static appearance: A virtual reality study of the role of dynamic identity signatures in person recognition

**Journal:** Cognition, Volume 205, December 2020, 104445

**Date:** December, 2020

## University of Guelph

*Psychology Department*

**Researcher:** Barbara A. Morrongiello, Michael R. Corbett, Erin Vander Hoeven

**Title of Paper/Research:** Children's street crossing performance when auditory information about traffic is lacking

**Journal:** Transportation Research Part F: Traffic Psychology and Behaviour, Volume 77, February 2021, Pages 149-155

**Date:** January, 2021



**Liverpool John Moores University**

*School of Psychology*

**University College London**

*Institute of Cognitive Neuroscience*

**Durham University**

*Psychology Department*

**Researcher:** James Negen, Laura-Ashleigh Bird, Heather Slater, Lore Thaler, Marko Nardini

**Title of Paper/Research:** [A New Sensory Skill Shows Automaticity and Integration Features in Multisensory Interactions](#)

**Journal:** bioRxiv The Preprint Server for Biology

**Date:** January, 2021

**University of Leeds**

*School of Psychology*

*Institute for Transport Studies*

**University of Helsinki**

*Cognitive Science*

**Researcher:** Callum Mole, Jami Pekkanen, William E.A. Sheppard, Gustav Markkula, Richard M. Wilkie

**Title of Paper/Research:** [Drivers use active gaze to monitor waypoints during automated driving](#)

**Journal:** Scientific Reports volume 11, Article number: 263 (2021)

**Date:** January, 2021

**Leibniz Research Centre for Working Environment and Human Factors Dortmund**

*Department of Ergonomics*

**University of Applied Sciences Düsseldorf**

*Psychology School, Hochschule Fresenius*

**Researcher:** Thorsten Plewan, Gerhard Rinkenauer

**Title of Paper/Research:** [Visual search in virtual 3D space: the relation of multiple targets and distractors](#)

**Journal:** Psychological Research volume 85, pages 2151–2162 (2021)

**Date:** January, 2021

**University of Arizona**

*Department of Psychology*

**George Mason University**

*Department of Psychology*

**Researcher:** Eva Marie Robinson, Martin Wiener

**Title of Paper/Research:** Dissociable neural indices for time and space estimates during virtual distance reproduction

**Journal:** Neurolmage, Volume 226, 117607

**Date:** February, 2021

**University of Chinese Academy of Sciences**

*Department of Psychology, CAS Key  
Laboratory of Behavioral Science*

**Soochow University**

*College of Physical Education and Sport  
Science*

**Researcher:** Jia-Xin Zhang, Lin Wang, Hai-Yan Hou, Chun-Lin Yue, Liang Wang, Hui-Jie Li  
**Title of Paper/Research:** Age-related impairment of navigation and strategy in virtual star maze

**Journal:** BMC Geriatrics volume 21, Article number: 108 (2021)

**Date:** February, 2021

**University of Campania Luigi Vanvitelli**

*Department of Psychology, Laboratory of  
Cognitive Science and Immersive Virtual  
Reality (CS-IVR)*

**Researcher:** Tina Iachini, Gennaro Ruggiero

**Title of Paper/Research:** Can I put myself in your shoes? Sharing peripersonal space reveals the simulation of the action possibilities of others

**Journal:** Experimental Brain Research volume 239, pages1035–1045 (2021)

**Date:** February, 2021

## Durham University

*Department of Psychology*

**Researcher:** Rachel Mowbray

**Title of Paper/Research:** The Development of Visual and Proprioceptive Control: A Whole- Body Perspective

**Journal:** Durham University e-Theses

**Date:** March, 2021

## Université du Québec à Trois-Rivières

*Department of Psychology*

## Institut Universitaire de Gériatrie de Montréal

*Research Centre*

## Université de Montréal

*Department of Psychology*

**Researcher:** Benjamin Boller, Émilie Ouellet, Sylvie Belleville

**Title of Paper/Research:** Using Virtual Reality to Assess and Promote Transfer of Memory Training in Older Adults With Memory Complaints: A Randomized Controlled Trial

**Journal:** Frontiers in Psychology Sec. Cognition - Volume 12 - 2021

**Date:** March, 2021

## University of Campania

*Department of Psychology, Laboratory of Cognitive Science and Immersive Virtual Reality (CS-IVR)*

## University of Lille

*SCALab - Sciences Cognitives et Sciences Affectives, CNRS*

**Researcher:** Gennaro Ruggiero, Mariachiara Rapuano, Alice Cartuad, Yann Coello, Tina Iachini

**Title of Paper/Research:** Defensive functions provoke similar psychophysiological reactions in reaching and comfort spaces

**Journal:** Scientific Reports

**Date:** March, 2021

## Technical University of Darmstadt

*Institute of Psychology*

*Center for Cognitive Science*

## Frankfurt Institute for Advanced Studies

*Goethe University*

**Researcher:** Huaiyong Zhao, Dominik Straub, Constantin A Rothkopf

**Title of Paper/Research:** How do people steer a car to intercept a moving target: Interceptions in different environments point to one strategy

**Journal:** Quarterly Journal of Experimental Psychology, 74(10), 1686–1696

**Date:** March, 2021



**University of Nebraska-Lincoln, Lincoln**

*Department of Psychology*

**Researcher:** Joshua E. Zosky, Michael D. Dodd

**Title of Paper/Research:** The Z-Box illusion: dominance of motion perception among multiple 3D objects

**Journal:** Psychological Research volume 86, pages1683–1697 (2022)

**Date:** April, 2021

**University of Alberta**

*Department of Psychology*

**Researcher:** Yafei Qi, Weimin Mou, Xuehui Lei

**Title of Paper/Research:** Cue combination in goal-oriented navigation

**Journal:** Quarterly Journal of Experimental Psychology 2021, Vol. 74(11) 1981–2001

**Date:** April, 2021

**National Research Council Canada**

**Brown University**

*Department of Cognitive, Linguistic and Psychological Sciences*

**Researcher:** Max Kinateder, William H. Warren

**Title of Paper/Research:** Exit choice during evacuation is influenced by both the size and proportion of the egressing crowd

**Journal:** Physica A: Statistical Mechanics and its Applications Volume 569, 125746

**Date:** May, 2021

**University of California, Santa Barbara**

*Department of Psychological and Brain Sciences*

**Researcher:** John M. Foley

**Title of Paper/Research:** Visually directed action

**Journal:** Journal of Vision Volume 21, Issue 5

**Date:** May, 2021

**Polish Academy of Sciences**

*Institute of Psychology*

**Polish-Japanese Academy of Information Technology**

**Researcher:** Grzegorz Pochwatko, Barbara Karpowicz, Anna Chrzanowska, Wiesław Kopec

**Title of Paper/Research:** Interpersonal Distance in VR: Reactions of Older Adults to the Presence of a Virtual Agent

**Journal:** Conference on Multimedia, Interaction, Design and Innovation, MIDI 2020: Digital Interaction and Machine Intelligence pp 91–100

**Date:** June, 2021

**University of Leeds**

*School of Psychology*

**Researcher:** Courtney M. Goodridge, Callum D. Mole, Jac Billington, Markkula Gustav, Richard M. Wilkie

**Title of Paper/Research:** Steering is initiated based on error accumulation

**Journal:** Journal of Experimental Psychology: Human Perception and Performance, 48(1), 64–76

**Date:** June, 2021

**Bentley University**

*Information Design and Corporate Communication*

**University of California, Irvine**

*Biological Sciences*

**Brown University**

*Cognitive, Linguistic & Psychological Sciences*

**Researcher:** Jonathan D Ericson, Elizabeth R Chrastil, William H Warren

**Title of Paper/Research:** Space syntax visibility graph analysis is not robust to changes in spatial and temporal resolution

**Journal:** Environment and Planning B: Urban Analytics and City Science, 48(6), 1478–1494

**Date:** July, 2021

## The University of Texas at Austin

*Department of Psychology  
Center for Perceptual Systems*

**Researcher:** Mikael Rubin, Karl Muller, Mary M. Hayhoe, Michael J. Telch

**Title of Paper/Research:** Attentional Heterogeneity in Social Anxiety Disorder: Evidence from Hidden Markov Models

**Journal:** Attentional Heterogeneity in Social Anxiety Disorder: Evidence from Hidden Markov Models

**Date:** August, 2021

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## University of Coimbra

*CIBIT - Coimbra Institute for Biomedical  
Imaging and Translational Research  
Institute of Nuclear Sciences Applied to Health  
Center for Neuroscience and Cell Biology -  
Institute for Biomedical Imaging and Life  
Sciences, Faculty of Medicine  
Neurodevelopmental and Autism Unit From  
Child Developmental Centre  
Faculty of Medicine, University Clinic of  
Pediatrics  
Faculty of Medicine*

## Centro Hospitalar e Universitário de Coimbra

*Centro de Investigação e Formação Clínica,  
Hospital Pediátrico*

**Researcher:** Susana Mouga, Isabel Catarina Duarte, Cátia Café, Daniela Sousa, Frederico Duque, Guiomar Oliveira, Miguel Castelo-Branco

**Title of Paper/Research:** Attentional Cueing and Executive Deficits Revealed by a Virtual Supermarket Task Coupled With Eye-Tracking in Autism Spectrum Disorder

**Journal:** Frontiers in Psychology

**Date:** August, 2021



## The University of Guelph

*Department of Psychology*

**Researcher:** Emilie Arbour

**Title of Paper/Research:** An Exploration of Pedestrian Crossing Behaviours in a Two-Lane Street Crossing Simulation

**Journal:** The Atrium Theses Or Dissertations

**Date:** August, 2021

## Brown University

*Department of Cognitive, Linguistic, and Psychological Sciences*

**Researcher:** Gregory C. Dachner, Trenton D. Wirth, Emily Richmond, William H. Warren

**Title of Paper/Research:** The visual coupling between neighbors explains 'flocking' in human crowds

**Journal:** bioRxiv The Preprint Server for Biology

**Date:** September, 2021

## Technische Universität Berlin

*Institute of Psychology and Ergonomics*

**Researcher:** Klaus Gramann, Friederike U. Hohlefeld, Lukas Gehrke, Marius Klug

**Title of Paper/Research:** Human cortical dynamics during full-body heading changes

**Journal:** Scientific Reports volume 11, Article number: 18186 (2021)

**Date:** September, 2021

## Tilburg University

*Department of Cognitive Science & Artificial Intelligence*

**Researcher:** Tycho T. de Back, Angelica M. Tinga, Max M. Louwerse

**Title of Paper/Research:** CAVE-based immersive learning in undergraduate courses: examining the effect of group size and time of application

**Journal:** International Journal of Educational Technology in Higher Education

**Date:** October, 2021

## University of Campania

*Department of Psychology, Laboratory of  
Cognitive Science and Immersive Virtual  
Reality (CS-IVR)*

**Researcher:** Filomena Leonela Sbordonea, Renato Ortia, Francesco Ruotolo, Tina Iachinia, Gennaro Ruggiero

**Title of Paper/Research:** [How empathic traits affect interactions with virtual agents](#)

**Journal:** Proceedings of the Third Symposium on Psychology-Based Technologies (PSYCHOBIT2021)

**Date:** October, 2021

## University of Kent

*School of Psychology*

## University of York

*Department of Psychology*

**Researcher:** Markus Bindemann, Matthew C. Fysh, Iliyana V. Trifonova, John Allen, Cade McCall, A. Mike Burton

**Title of Paper/Research:** [Face identification in the laboratory and in virtual worlds](#)

**Journal:** Journal of Applied Research in Memory and Cognition, 11 (1). pp. 120-134. ISSN 2211-3681

**Date:** October, 2021

## University of Campania Luigi Vanvitelli

*Department of Psychology, Laboratory of  
Cognitive Science and Immersive Virtual  
Reality (CS-IVR)*

**Researcher:** Antonella Ferrara, Mariachiara Rapuano, Francesco Ruotolo, Gennaro Ruggiero, Tina Iachini

**Title of Paper/Research:** [Being there in virtual reality: the sense of presence is associated with the ability to imagine body movements](#)

**Journal:** Proceedings of the Third Symposium on Psychology-Based Technologies (PSYCHOBIT2021)

**Date:** October, 2021

**Università degli Studi della Campania  
"L. Vanvitelli"**

*Department of Psychology*

**Neurological Unit of "Ospedali dei Colli"**

*Laboratory of Clinical Neuropsychology*

**Researcher:** Tina Iachini, Francesco Ruotolo, Alessandro Iavarone, Michele Carpinelli Mazzi, Gennaro Ruggiero

**Title of Paper/Research:** From aMCI to AD: The Role of Visuo-Spatial Memory Span and Executive Functions in Egocentric and Allocentric Spatial Impairments

**Journal:** Brain Science 2021, 11(11), 1536

**Date:** November, 2021

**University of Aberdeen**

*School of Psychology*

**Researcher:** Malgorzata M. Kasprzy, Margaret C. Jackson, Bert Timmermans

**Title of Paper/Research:** Can the reward associated with gaze leading train faster gaze shifts to a jointly attended target?

**Journal:** PsyArXiv Psychology Archive

**Date:** November, 2021

**Brown University**

*Department of Cognitive, Linguistic, and Psychological Sciences*

**Researcher:** Trenton D. Wirth, William H Warren

**Title of Paper/Research:** Robust Weighted Averaging Accounts for Recruitment Into Collective Motion in Human Crowds

**Journal:** Front. Appl. Math. Stat., Sec. Dynamical Systems Volume 7 - 2021

**Date:** November, 2021



## The University of Texas at Austin

*Department of Psychology and Institute for  
Mental Health Research*

*Center for Perceptual Systems*

**Researcher:** Mikael Rubin, Sihang Guo, Karl Muller, Ruohan Zhang, Michael J. Telch,  
Mary M. Hayhoe

**Title of Paper/Research:** Selective visual attention during public speaking in an  
immersive context

**Journal:** Attention, Perception, & Psychophysics volume 84, pages396–407 (2022)

**Date:** January, 2022

## Masaryk University

*Department of Geography, Faculty of Science*

*Department of Educational Sciences,  
Faculty of Arts*

*Department of Information and Library  
Studies, Faculty of Arts*

**Researcher:** Pavel Ugwitz, Ondrej Kvarda, Zuzana Juríková, Cenek Šašinka  
Sascha Tamm

**Title of Paper/Research:** Eye-Tracking in Interactive Virtual Environments: Implementation  
and Evaluation

**Journal:** Applied Science. 2022, 12(3), 1027

**Date:** January, 2022

## Freie Universität Berlin

*Institute of Psychology*

## University of Oxford

*Oxford Centre for Human Brain Activity,  
Wellcome Centre for Integrative  
Neuroimaging, Department of Psychiatry*

**Researcher:** Dejan Draschkow

**Title of Paper/Research:** Multiple spatial frames for immersive working memory

**Journal:** Nature Human Behaviour volume 6, pages 536–544

**Date:** January, 2022

## Justus Liebig University

*Experimental Psychology*

### University of Marburg and Justus Liebig University Giessen

*Center for Mind, Brain and Behavior (CMBB)*

**Researcher:** Immo Schuetz, Harun Karimpur, Katja Fiehler

**Title of Paper/Research:** [vexptoolbox: A software toolbox for human behavior studies using the Vizard virtual reality platform](#)

**Journal:** Behavior Research Methods volume 55, pages570–582 (2023)

**Date:** March, 2022

## Brown University

*Department of Cognitive, Linguistic,  
and Psychological Sciences*

**Researcher:** Gregory C. Dachner, Trenton D. Wirth, Emily Richmond, William H. Warren

**Title of Paper/Research:** [The visual coupling between neighbours explains local interactions underlying human ‘flocking’](#)

**Journal:** Proceedings of Royal Society B Biological Science Volume 289 Issue 1970

**Date:** March, 2022

## Iowa State University

*Department of Psychology*

**Researcher:** Jonathan W. Kelly, Alex F. Lim, Shana K. Carpenter

**Title of Paper/Research:** [Turn-by-turn route guidance does not impair route learning](#)

**Journal:** Journal of Applied Research in Memory and Cognition, 11(1), 76–84.

**Date:** March, 2022

## The University of Texas at Austin

*Department of Psychology and Institute for  
Mental Health Research*

*Center for Perceptual Systems*

**Researcher:** Mikael Rubin, Karl Muller, Mary M. Hayhoe, Michael J. Telch

**Title of Paper/Research:** [Attention guidance augmentation of virtual reality exposure therapy for social anxiety disorder: a pilot randomized controlled trial](#)

**Journal:** Cognitive Behaviour Therapy Volume 51, 2022 - Issue 5

**Date:** April, 2022

## Indian Institute of Technology Gandhinagar

*Department of Cognitive and Brain sciences  
Department of Electrical Engineering*

**Researcher:** Vishav Jyoti, Uttama Lahiri

**Title of Paper/Research:** Portable Joint Attention Skill Training Platform for Children With Autism

**Journal:** IEEE Transactions on Learning Technologies ( Volume: 15, Issue: 2, 01 April 2022)

**Date:** April, 2022

## Kiel University

*Institute of Medical Psychology and Medical  
Sociology, University Medical Center  
Schleswig-Holstein*

**Researcher:** Sebastian Siehl, Kornelius Kammler-Sücker, Stella Guldner, Rabia Zohair, Yannick Janvier, Frauke Nees

**Title of Paper/Research:** To trust or not to Trust? Face and voice modulation of virtual avatars

**Journal:** Preprint from PsyArXiv

**Date:** May, 2022

## Ruprecht-Karls-University Heidelberg

*Institute of Cognitive and Clinical  
Neuroscience, Central Institute of Mental  
Health, Medical Faculty Mannheim  
Center for Innovative Psychiatric and  
Psychotherapeutic Research (CIPP), Central  
Institute of Mental Health, Medical Faculty  
Mannheim*

**Researcher:** Yu Karen Du, Weimin Mou

**Title of Paper/Research:** When humans can fly: Imprecise vertical encoding in human 3D spatial navigation

**Journal:** Behavioural Brain Research - Volume 426, 113835

**Date:** May, 2022

## University of Albert

*Department of Psychology*



## Saint Michael's College

*Department of Psychology*

**Researcher:** Anthony E. Richardson, Melissa M. VanderKaay Tomasulo

**Title of Paper/Research:** Stress-induced HPA activation in virtual navigation and spatial attention performance

**Journal:** BMC Neuroscience volume 23, Article number: 40 (2022)

**Date:** June, 2022

## Universität Mainz

*Institute of Psychology, Section Experimental Psychology*

**Researcher:** Marlene Wessels, Carolina Zähme, Daniel Oberfeld

**Title of Paper/Research:** Auditory Information Improves Time-to-collision Estimation for Accelerating Vehicles

**Journal:** Current Psychology (2022)

**Date:** July, 2022

## Guangdong Medical University

*Department of Psychology, School of Humanities and Management*

**Researcher:** Hou Yongmei

**Title of Paper/Research:** Application of Virtual Reality Technology in Pediatric Clinical Practice

**Journal:** International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 7

**Date:** July, 2022

**Justus Liebig University Giessen**

*Experimental Psychology*

*Center for Mind, Brain and Behavior (CMBB)*

**Researcher:** Pierre-Pascal Forster, Harun Karimpur, Katja Fiehler

**Title of Paper/Research:** Demand characteristics challenge effects in embodiment and presence

**Journal:** Scientific Reports (2022) 12:14084

**Date:** August, 2022

**Brown University**

*Cognitive, Linguistic & Psychological Sciences*

**Researcher:** Trenton D. Wirth, Gregory C. Dachner, Kevin W. Rio, William H. Warren

**Title of Paper/Research:** The neighborhood of interaction in human crowds is neither metric nor topological, but visual

**Journal:** bioRxiv The Preprint Server for Biology

**Date:** August, 2022

**Justus Liebig University**

*Department of Psychology*

**Researcher:** Immo Schuetz, Katja Fiehler

**Title of Paper/Research:** Eye Tracking in Virtual Reality: Vive Pro Eye Spatial Accuracy, Precision, and Calibration Reliability

**Journal:** Journal of Eye Movement Research 15(3):3

**Date:** September, 2022

## Universidad Nebrija

*Centro de Investigación Nebrija en Cognición  
(CINC)*

## UiT The Arctic University of Norway

*AcqVA Aurora Center*

**Researcher:** Francisco Rocabado, Jon Andoni Duñabeitia

**Title of Paper/Research:** Assessing inhibitory control in the real world is virtually possible: a virtual reality demonstration

**Journal:** Research Square

**Date:** October, 2022

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## Goethe University Frankfurt

*Department of Psychology*

## University of Oxford

*Department of Experimental Psychology  
Oxford Centre for Human Brain Activity,  
Wellcome Centre for Integrative  
Neuroimaging, Department of Psychiatry*

**Researcher:** Aylin Kallmayer, Melissa L.-H. Võ, Dejan Draschkow

**Title of Paper/Research:** Viewpoint-Dependence and Scene Context Effects Generalize to Depth Rotated 3D Objects

**Journal:** bioRxiv The Preprint Server for Biology

**Date:** November, 2022

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## University of Bern

*Department of Psychology*

## UniDistance Suisse

*Faculty of Psychology*

**Researcher:** Sandra Chiquet, Corinna S. Martarelli, David Weibel, Fred W. Mast

**Title of Paper/Research:** Learning by teaching in immersive virtual reality – Absorption tendency increases learning outcomes

**Journal:** Learning and Instruction Volume 84, April 2023, 101716.

**Date:** November, 2022



## University of Campania Luigi Vanvitelli

*Department of Psychology, Laboratory of Cognitive Science and Immersive Virtual Reality (CS-IVR)*

**Researcher:** Mariachiara Rapuano, Tina Iachini, Francesco Ruotolo, Alessandro Troise, Md Sheeraz Anwar, Gennaro Ruggiero

**Title of Paper/Research:** [The Role of Empathic Traits in the Interaction With Virtual Humans](#)

**Journal:** 2022 IEEE International Conference on Metrology for Extended Reality, Artificial Intelligence and Neural Engineering (MetroXRINE), Rome, Italy, 2022, pp. 352-356

**Date:** December, 2022

## University of Campania Luigi Vanvitelli

*Department of Psychology, Laboratory of Cognitive Science and Immersive Virtual Reality (CS-IVR)*

**Researcher:** Scila Nunziata, Renato Orti, Antonella Ferrara, Francesco Ruotolo, Gennaro Ruggiero, Tina Iachini

**Title of Paper/Research:** [We implicitly empathize with virtual agents: the effect of motor simulation](#)

**Journal:** 2022 IEEE International Conference on Metrology for Extended Reality, Artificial Intelligence and Neural Engineering (MetroXRINE)

**Date:** December, 2022

## University of Texas Rio Grande Valley

*Department of Psychological Science*

## University of Toledo

*Department of Psychology*

*Department of Pediatric Dentistry*

## Arizona State University

*Edson College of Nursing and Health  
Innovation*

## University of Sydney

*Department of Psychology*

## Wayne State University

*Department of Psychiatry and Behavioral  
Neuroscience, School of Medicine*

*Department of Pharmacy Practice*

**Researcher:** Laura D. Seligman, Andrew L. Geers, Lauren Kramer, Kelly S. Clemens, Keenan A. Pituch, Ben Colagiuri, Hilary A. Marusak, Christine A. Rabinak, Natalie Turner, Michael Nedley

**Title of Paper/Research:** Study protocol of an investigation of attention and prediction error as mechanisms of action for latent inhibition of dental fear in humans

**Journal:** BMC Psychology volume 11, Article number: 23 (2023)

**Date:** January, 2023

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## Liverpool John Moores University

*School of Psychology*

## Institute of Cognitive Neuroscience

*University College London*

## Durham University

*Psychology Department*

**Researcher:** James Negen, Laura-Ashleigh Bird, Heather Slater, Lore Thaler

**Title of Paper/Research:** Multisensory perception and decision-making with a new sensory skill

**Journal:** Journal of Experimental Psychology: Human Perception and Performance

**Date:** January, 2023

**University of Campania Luigi Vanvitelli**

*Department of Psychology, Laboratory of  
Cognitive Science and Immersive Virtual  
Reality (CS-IVR)*

**Researcher:** Tina Iachini, Francesco Ruotol, Mariachiara Rapuano,  
Filomena Leonela Sbordone, Gennaro Ruggiero

**Title of Paper/Research:** The Role of Temporal Order in Egocentric and Allocentric Spatial  
Representations

**Journal:** Cognitive Psychology Updates: Virtual Reality and the Space Around Us

**Date:** February, 2023

**University of Lausanne**

*Faculty of Business and Economics*

**Université Libre de Bruxelles**

*Solvay Brussels School of Economics and  
Management*

**University of Applied Sciences**

*Department of Social Work*

**University of Geneva**

*Department of Psychology*

**Researcher:** Emmanuelle P. Kleinlogel, Marianne Schmid Mast, Laetitia A. Renier,  
Manuel Bachmann, Tobias Brosch

**Title of Paper/Research:** Immersive virtual reality helps to promote pro-environmental norms,  
attitudes and behavioural strategies

**Journal:** Cleaner and Responsible Consumption Volume 8, March 2023, 100105

**Date:** February, 2023

**Zentralinstitut für Seelische Gesundheit**

*Institut für Neuropsychologie und  
Klinische Psychologie*

**Researcher:** Kornelius Immanuel Kammler-Sücker

**Title of Paper/Research:** Exploring Virtual Reality and Doppelgänger Avatars for the  
Treatment of Chronic Back Pain

**Journal:** Universität Heidelberg Dissertation

**Date:** February, 2023



**Philipps-Universität Marburg**

*Department of Psychology*

**Ludwig-Maximilians-Universität München**

*Department of Psychology*

**Fachhochschule des Mittelstands**

*Department for Human  
Resources/Health/Social Sciences*

**Researcher:** Merle Buchholz, Mario Gollwitzer, Zoe Magraw-Mickelson, Christopher Stolz, Philipp Süßenbach

**Title of Paper/Research:** Taking Back Control: Findings on the Cognitive, Behavioral, and Motivational Consequences of Victim Sensitivity

**Journal:** Social Justice Research (2023)

**Date:** February, 2023

**York University**

*Department of Psychology*

**University of Alberta**

*Department of Psychology*

**Researcher:** Xuehui Lei, Weimin Mou

**Title of Paper/Research:** Visual re-anchoring in misaligned local spaces impairs global path integration.

**Journal:** Journal of Experimental Psychology: Learning, Memory, and Cognition. Advance online publication.

**Date:** March, 2023

**Jagiellonian University**

*Criminology Department, Faculty of Law  
and Administration*

**Researcher:** Magdalena Grzyb

**Title of Paper/Research:** The Polish Variant of Patriarchy? Explaining the Relationship Between Gender Inequality and Violence Against Women in Poland

**Journal:** Violence Against Women

**Date:** March, 2023

## Oregon State University

*Department of Psychology*

**Researcher:** Joshua D. Bell

**Title of Paper/Research:** Just a Tool After All? No Evidence for Tool-Use Effects on the Body Representation Across Virtual and Real Environments

**Journal:** Oregon State University Graduate Thesis Or Dissertation

**Date:** March, 2023

## York University

*Department of Psychology*

## University of Alberta

*Department of Psychology*

## University of Geneva

**Researcher:** Xuehui Lei, Weimin Mou, Timothy P. McNamara

**Title of Paper/Research:** The influence of environmental geometry and spatial symmetry on spatial updating during locomotion

**Journal:** Journal of Experimental Psychology: Learning, Memory, and Cognition, 49(5), 714–727

**Date:** May, 2023

## Brown University

*Department of Cognitive Linguistic and Psychological Sciences*

## Northeastern University

*Department of Biology*

## Meta

*Reality Labs*

**Researcher:** Trenton D. Wirth, Gregory C. Dachnera, Kevin W. Rio, William H. Warren

**Title of Paper/Research:** Is the neighborhood of interaction in human crowds metric, topological, or visual?

**Journal:** PNAS Nexus, 2023, 2, 1–13

**Date:** May, 2023

WorldViz is the industry leader in turnkey interactive visualization and simulation solutions for the enterprise. For over a decade, more than 1,500 customers, including leading universities and Fortune 500 companies have chosen WorldViz to drive business development and product innovation.

From training teams to selling complex products, visualizing architectural projects and workflows, designing product prototypes, and studying social behavior, WorldViz empowers today's leading enterprises to create immersive virtual worlds and experiences.

At the core of WorldViz's all-inclusive approach to building, rendering and deploying virtual reality applications, is Vizable, the virtual reality SaaS solution for business collaboration and online training, and VizMove, the world's only enterprise-class VR software and hardware solution.



[www.worldviz.com](http://www.worldviz.com)

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