



Wednesday 13 to Friday 15, February 2019 | The Alpensia Convention Center, PyeongChang County, Gangwon Province, Korea

# Session Arrangement

[PCF2019] PROGRAM: DAY 1		
Wednesday, 13 February 2019		
Time	Contents	
<b>[Session 1-A]: Young Scientists Session</b>		<b>(total 120 min)</b>
10:00-12:00	Introductory Remarks . . . . . (5 min) <b>[Session Chair] Dr. Sang-Mook LEE</b> Professor, School of Earth and Environmental Science, Seoul National University Chairperson, Organizing Committee of the PyeongChang Forum 2019  <u>Presentation 1</u> . . . . . (45 min) <b>“Are we alone in the universe?”</b> <b>Dr. Paul DAVIES</b> Regents' Professor and Director of the Beyond Center for Fundamental Concepts in Science, Arizona State University Co-Director of the Cosmology Initiative, Arizona State University  <u>Presentation 2</u> . . . . . (45 min) <b>“Our Place in the Universe”</b> <b>Dr. John D. BARROW</b> Professor, Department of Applied Mathematics and Theoretical Physics (DAMTP), University of Cambridge  Short break for stage setup . . . . . (5 min) Tables and chairs for discussion to be arranged  <u>Discussion and Q&amp;As</u> . . . . . (20 min) Chair and speakers to be seated on the stage  Close	Auditorium
12:00-13:00	<b>LUNCHEON</b>	TBC
12:30-13:30	VIP Tea-time: all session speakers are welcomed.	Alps Hall (2F)
13:00-13:55	<b>Opening Ceremony</b> <ul style="list-style-type: none"> <li>▪ Opening Remarks . . . . . (10 min)</li> <li>▪ Congratulatory Speech . . . . . (5 min)</li> <li>▪ Performance . . . . . (15 min)</li> </ul> <u>Keynote Speech</u> . . . . . (30 min) <b>“Digital is Power”</b> <b>Dr. Yanghee CHOI</b> Professor, School of Computer Science and Engineering, Seoul National University Former Minister for the Ministry of Science, ICT & Future Planning, Korea	Grand Ballroom (2F)
13:55-14:00	<b>SHORT BREAK</b>	Lobby

**[PCF2019] PROGRAM: DAY 1**

Wednesday, 13 February 2019

**[Session 1-B]: Existence and Meaning (total 240 min)**

14:00-16:32	<p>Introduction  <b>[Session Chair] Dr. Kyung-Ho SUH</b> ..... (2 min)                  Professor, College of Liberal Studies, Seoul National University, Korea</p> <p><u>Presentation 1</u> ..... (60 min)  <b>“Soul Dust: the Science and Art of Consciousness”</b>  <b>Dr. Nicholas HUMPHREY</b>                  Emeritus Professor of Psychology, London School of Economics;                  Visiting Professor of Philosophy, New College of the Humanities, UK</p> <p><u>Presentation 2</u> ..... (45 min)  <b>“Toward a science of final causality”</b>  <b>Dr. Terrence W. DEACON</b>                  Professor, Department of Anthropology at the University of California, Berkeley</p> <p><u>Presentation 3</u> ..... (45 min)  <b>“Journey of the Universe: A Story for our Times”</b>  <b>Dr. Mary Evelyn TUCKER</b>                  Research Scholar, School of Forestry and Environmental Studies in Yale Divinity School,                  Yale University, USA</p>	Grand Ballroom (2F)
16:32-17:02	<p>Coffee break and stage setup ..... (30 min)                  6 tables and chairs for discussion to be arranged (+1)</p>	Lobby
17:02-18:00	<p><u>Wrap-up Discussion and Q&amp;As</u> ..... (58 min)                  ▪ All chairs and speakers to be seated on the stage as follows:                  Paul Davies, John Barrow, Nicholas Humphrey, Terrence Deacon,                  Mary Evelyn Tucker, Kyung-Ho Suh, and Sang-Mook Lee</p> <p>Close</p>	Grand Ballroom (2F)
18:00-20:00	<p><b>Welcome Reception</b>                  All session speakers are invited.</p>	PyeongChang Hall (1F)

[PCF2019] PROGRAM: DAY 2		
Thursday, 14 February 2019		
Time	Contents	Place
<b>[Session 2] UN Global Citizenship: Leadership for Coexistence in Our Changing World</b> <span style="float: right;">(total 120 min)</span>		
10:30-12:30	<p style="background-color: yellow; text-align: center;"><b>Moderator on the podium. All speakers to be seated on the stage</b></p> <p>Introduction  <b>[Moderator] Dr. Eunhee JUNG, Dr.</b>            Founder &amp; President, IVECA International Virtual Schooling, USA</p> <p><b>Speaker 1: Dr. Shahbaz KHAN</b>  <b>“Issues, Challenges and Factors Affecting Coexistence of Global Citizens”</b>            Director, UNESCO Office in Jakarta, Regional Bureau for Sciences in Asia and the Pacific</p> <p><b>Speaker 2: H.E. Mr. Philipp CHARWATH</b>  <b>“Global Citizenship as the Key to Mastering the Challenges of the Future”</b>            Deputy Permanent Representative of Austria to the United Nations</p> <p><b>Speaker 3: Mr. Maher NASSER</b>  <b>“Global Challenges Local Solutions: Local Leadership Global Impact”</b>            Director, Outreach Division in the United Nations, Department of Global Communications</p> <p><b>Speaker 4: Dr. Ekkehard ERNST</b>  <b>“Humans vs Machines. Complements not Substitutes”</b>            Chief of the Macroeconomic Policy Unit, UN International Labor Organization (ILO)</p> <p><b>Speaker 5: Mr. Martin FORD</b>  <b>“Artificial Intelligence: A Dual-Edged Sword for Sustainable Development”</b>            Futurist, New York Times Best Selling Author of <i>The Rise of the Robots</i></p> <p><u>Discussion and Q&amp;A</u></p> <p>Close</p>	Grand Ballroom (2F)
12:30-14:00	<b>LUNCHEON</b>	TBC

## [PCF2019] PROGRAM: DAY 2

Thursday, 14 February 2019

Time	Contents	Place
<b>[Session 3] Abrupt Climate Changes</b>		<b>(120 min)</b>
14:00-16:00	Introduction ..... (5 min) <b>[Session Chair] Dr. Kyung-Ja HA</b> Director, Research Center for Climate Sciences, Pusan National University, Korea <u>Presentation 1</u> ..... (25 min) <b>“Weather Extremes in a Warming Climate”</b> <b>Dr. Masahiro WATANABE</b> Professor, Atmosphere and Ocean Research Institute, University of Tokyo, Japan <u>Presentation 2</u> ..... (25 min) <b>“Urbanization and Climate Change in Asia: Impacts and Adaptation”</b> <b>Dr. Johnny CHAN</b> Chair Professor of Atmospheric Science, City University of Hong Kong, Hong Kong <u>Presentation 3</u> ..... (25 min) <b>“A Critical Need for ‘Top-Down Verification’ of Global Atmospheric Emissions Agreements”</b> <b>Dr. Ray WEISS</b> Distinguished Professor, Geoscience Research Division, UC San Diego, USA <u>Presentation 4</u> ..... (25 min) <b>“The 2018 Extreme Heat Wave Characteristics and its Outlook”</b> <b>Dr. Ki-Hong MIN</b> Professor, School of Earth System Science, Kyungpook National University  Short break for stage setup ..... (5 min) Chair on the podium. 4 tables & chairs for discussion to be arranged. <u>Discussion and Q&amp;As</u> ..... (10 min) All chairs and speakers to be seated on the stage Close	Grand Ballroom (2F)
16:00-16:30	<b>COFFEE BREAK</b>	Lobby
<b>[Science Talk Show]</b>		<b>(80 min)</b>
16:30-17:50	<b>“Can Science Answer the Question of Being?”</b> <b>Mr. Jong-woo WON</b> CEO of Science and People, inc.; Board Member of the Korea Foundation for the Advancement of Science and Creativity (KOFAC) <b>Mr. Myeong-Hyun LEE</b> Science Author, Representative of Korea SETI Project <b>Ms. Jinyoung CHOI</b> Science Communicator	Auditorium
17:50-18:00	Move to Grand Ballroom	
18:00-20:00	Gala Dinner	Grand Ballroom (2F)

<b>[PCF2019] PROGRAM: DAY 3</b>		
Friday, 15 February 2019		
Time	Contents	Place
<b>[Session 4] Emerging Technology and Complexity</b>		<b>(90 min)</b>
10:00-11:30	<p>Introduction ..... (2 min)  <b>[Session Chair] Dr. Yanghee CHOI</b>                      Professor, School of Computer Science and Engineering, Seoul National University                      Former Minister for the Ministry of Science, ICT &amp; Future Planning, Korea</p> <p><b>Presentation 1</b> ..... (25 min)  <b>“Mysteries and Laws of Biodiversity”</b>  <b>Dr. Jacopo GRILLI</b>                      Omidyar Postdoctoral Fellow, Santa Fe Institute, USA</p> <p><b>Presentation 2</b> ..... (25 min)  <b>“Machine Learning in Archaeology and Forensics”</b>  <b>Dr. Michael PRICE</b>                      Postdoctoral Research Fellow, Santa Fe Institute, USA</p> <p><b>Presentation 3</b> ..... (25 min)  <b>“The Thermodynamics of Computation”</b>  <b>Dr. David WOLPERT</b>                      Professor and Resident Faculty, Santa Fe Institute, USA</p> <p>Short break for stage setup ..... (3 min)                      Chair on the podium. 3 tables &amp; chairs for discussion to be arranged.</p> <p><b>Discussion and Q&amp;As</b> ..... (10 min)                      Chair and speakers to be seated on the stage</p> <p>Close</p>	Auditorium
12:00-	VIP Tour	

Please contact us if you have any inquiries to:

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