

Rotarians Learn About Artificial Intelligence's Influence on Healthcare



Rotary Club of Scottsdale members and guests welcomed Chris Yoo PhD, president and CEO of Scottsdale's Systems Imagination Inc. (SII), to the club's luncheon meeting at Scottsdale McCormick Ranch Golf Club's Pavilion. SII, founded by Dr. Yoo and Spyro Mousses PhD, is led by a multidisciplinary team of scientists and technologists with the mission of developing industrial solutions to massively accelerate the evolution of healthcare and life science knowledge.

During his introduction, Rotarian Gay Baker stated that Dr. Yoo holds a bachelor's from the University of Pennsylvania and a PhD from Yale University. Dr. Yoo is an experienced leader in understanding the latest biomedical and information-based technologies – both today's innovations and the future's potential – and in developing strategic ventures to prove the value of the molecular understanding of disease for better medical decisions. Ultimately, this will support better practice of medicine for the benefit of patients. Dr. Yoo worked for large technology companies, founded several startups, and published important research findings in respected scientific journals, all in the pursuit of the application of innovative solutions for the healthcare and life sciences Industry.

During his talk, Dr. Yoo talked about the remarkable progress and challenges of managing massive amounts of biomedical data, especially in relationship to data storage, sheer size, complexity, interconnection, transfer and knowledge sharing. When talking about genomics, he noted that within the next 10 years the national effort to collect personal data will truly benefit precision medicine. He talked about artificial intelligence's (AI) growing and exciting impact on transportation, education and healthcare. Other topics covered during his talk and Q&A time were: advances in cancer detection; using one's eye retina to detect an impending heart attack or stroke; data governance and ownership; ethical, risk and privacy

issues related to managing and sharing healthcare and/or DNA data; difficulties to genetically solve neurological issues; and much more.

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