Young Investigator Competition 2022

Top 9 Finalists

The Young Investigator Competition (YIC) is organized at major IFMBE conferences to recognize excellence in conference contributions whose primary authors are young investigators.

Florian Mentzel, Germany

Florian Mentzel was born in 1992 in the industrial Ruhr area in Germany. After finishing his master's degree in physics at the TU Dortmund University, Germany, in 2015, he worked for 6 months with the Hyperledger Blockchain team of IBM with a focus on data integration and machine learning solutions. He then decided to jump right back into the academic life, starting his PhD on a joint project between TU Dortmund University and the University of Wollongong, Australia, working on deep learning-accelerated dose prediction models for novel treatments. Currently, he is based in Wollongong as visiting researcher and lecturer.

Dhravid Kumar, USA

Dhravid Kumar is a 2nd-year student studying at the University of Michigan. He is currently pursuing his BSE in data science engineering with a minor in intergroup relations. Kumar interned under Dr. Issam El Naqa at the University of Michigan for three years writing data clean-up programs before his role as a research programmer at Ascension Providence Hospital. At Ascension Providence, Kumar continues to work on improving the Covid models and training ultrasound datasets for permanent prostate implant workflows.

Salar Tayebi, Belgium

Salar Tayebi received the B.Sc. degree in biomedical engineering from Amirkabir University of Technology (Tehran Polytechnic) in 2016, and the M.Sc. degree in biomedical engineering from Vrije Universiteit Brussel, in 2021, where he is currently pursuing the Ph.D. degree. His main research topics are microwave reflectometry, noninvasive measurement techniques, and intra-abdominal pressure measurement. At the time being, he is working on noninvasive intra-abdominal pressure measurement by means of time-domain reflectometry. Mr. Tayebi is a member of the European Society of Intensive Care Medicine (ESICM) and international fluid academy (IFA) as well.

Long Fei Ma, China

Longfei Ma received his Ph.D. degree in 2018 in biomedical engineering from Tsinghua University. He is now an assistant research fellow in the Department of Biomedical Engineering, School of Medicine, Tsinghua University, Beijing, China. His research interests include 3D display, augmented reality, and surgical navigation.

Seung Min Yang, Republic of Korea

Seung Min Yang is a Ph.D. candidate in the KU-KIST Graduate School of Converging Science and Technology at Korea University. He received his B.S. degrees in electronic engineering and in medical convergence engineering from Korea University, South Korea, in 2017. His current research interests include flexible, stretchable, transient, and biodegradable electronics.

Chao Ma, USA

Chao Ma is currently a CRI Irvington Postdoctoral Fellow in the Tandon School of Engineering at New York University. He received a B.S. in Biotechnology in 2013 and a Ph.D. in Animal Biotechnology in 2017 both from Northwest A&F University. His research focuses on developing and leveraging lab-on-a-chip and organ-on-a-chip systems for tissue engineering, disease modeling, drug development and immunotherapy.

Song Lin Chua, Hong Kong

Dr Song-Lin CHUA is an Assistant Professor at the Hong Kong Polytechnic University. He received his PhD from National University of Singapore and continued his research as postdoctoral fellow in Nanyang Technological University (Lee Kong Chian Medicine Fellowship). His research spans across interdisciplinary areas, including microbiology, biomedical engineering and drug discovery. He had published in more than 30 publications, such as Nature Communications, Chemical Engineering Journal, Biosensors and Bioelectronics, ISME Journal and Lancet Microbe, and applied for 4 US patent pending inventions. He is currently focusing his efforts on developing diagnostic devices to detect bacterial diseases and early infections.

Tianqi Huang, China

Tianqi Huang obtained his A.B. and Ph.D. in biomedical engineering from Tsinghua Univerity in 2015 and 2020, respectively. He is currently working as a Postdoctoral Fellow at Tsinghua University, Beijing, China. His research interests focus on autostereoscopic 3D display, augmented reality, and their medical applications. He has published 17 scientific papers in peer reviewed journals and conference proceedings.

Arpita Dutta, New Zealand

Arpita Dutta is a doctoral candidate at the Auckland Bioengineering Institute, the University of Auckland, New Zealand. She received a master's degree in data science from the University of Otago in 2019 and previously worked for Statistics New Zealand. Her research interest is to apply modern AI and machine learning approaches to improve patient diagnosis, prognosis and treatment. Currently, she is investigating potential imaging biomarkers to quantify treatment responses for prostate cancer.