



AIDA-AT 2020 Conference, Nanyang Technological University, Singapore

- HOME
- COMMITTEES / SPEAKERS
- PROGRAMME
- SOCIAL EVENTS
- BUS SCHEDULE
- VENUE
- REGISTRATION
- CONTACT



Events > AIDA-AT 2020 Conference > Invited Speakers

AIDA-AT 2020 Invited Speakers

| | |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <p>Professor Hussein A. Abbass</p> <p>Professor at School of Engineering and Information Technology, University of New South Wales, Canberra, Australia</p> <p>Hussein A. Abbass is a Professor at the School of Engineering and Information Technology, University of New South Wales, Canberra. He is a fellow of IEEE, Australian Computer Society, Operational Research Society, and Institute of Managers and Leaders. He served as the President of the Australian Society for Operations Research (2016-2019), and Vice-president for Technical Activities of the IEEE Computational Intelligence Society (2016-2019). He is an Associate Editor of IEEE Trans. on Neural Networks and Learning Systems, IEEE Trans. on Evolutionary Computation, IEEE Trans. on Cybernetics, IEEE Trans. on Cognitive and Developmental Systems, and four other journals. His research designs next-generation artificial intelligence systems for trusted autonomy, human-swarm teaming and air-shepherding.</p> |
| | <p>Professor Jean-Marc Alliot</p> <p>Deputy head of the Centre International de Mathématiques et d'Informatique (CIMI LabEx) Toulouse, France</p> <p>Professor Jean-Marc Alliot graduated from Ecole Polytechnique de Paris in 1986 and from Ecole Nationale de l'Aviation Civile (ENAC) in 1988. He holds a Ph.D. in computer science and a habilitation thesis in applied mathematics. He has been head of research at ENAC, head of the R&D department for the French Direction des Services de la Navigation Aérienne and is currently deputy head of the Centre International de Mathématiques et d'Informatique de Toulouse (CIMI LabEx). He has written or co-written many scientific articles and books about Air Traffic Control, Optimization, Computer Science and Artificial Intelligence.</p> |
| | <p>Professor Henk Blom</p> <p>Professor of Air Traffic Management Safety, Delft University of Technology, Delft, Netherlands</p> <p>Dr. Henk Blom is a Professor at Delft University of Technology, holding the chair Air Traffic Management (ATM) Safety. He has in-depth experience in exploiting the theory of stochastic modeling and analysis for safety risk analysis and multi-sensor data fusion with application in ATM. He has been organizer and coordinator of several European research projects on the development and use of techniques from complexity science for the exploration of the design space of future ATM. Dr. Blom is Fellow IEEE and has received the Dr. Ir. Ben Spee Award from National Aerospace Laboratory NLR.</p> |
| | <p>Professor Daniel Delahaye</p> <p>Professor, Head of the Optimization and Machine Learning team at ENAC LAB, French Civil Aviation University, Toulouse, France</p> <p>Professor Daniel Delahaye is the head of the Optimization and Machine Learning team at ENAC LAB (French Civil Aviation University).</p> <p>He obtained his engineer degree from the ENAC school and did a master of science in signal processing from the national polytechnic institute of Toulouse in 1991. He obtained his Ph.D. in automatic control from the aeronautics and space national school in 1995 and did a post-doc at the Department of Aeronautics and Astronautics at MIT in 1996. He gets his tenure in applied mathematics in</p> <p>2012. He conducts researches on optimization and on machine learning with applications to air traffic management (airspace design, trajectory planning, and clustering, sequencing and merging, airport, oceanic traffic optimization, etc...).</p> |
| | <p>Professor Koza Fujii</p> <p>Professor of Faculty of Engineering, Department of Information and Computer Technology Tokyo University of Science, Japan</p> <p>Dr. Koza Fujii is a Professor at the Tokyo University of Science. He received his Ph.D. from the University of Tokyo in 1980. Spending several years at NASA Ames R. C. and other organizations, he joined the Institute of Space and Astronautical Science (ISAS) in 1988, now a part of Japan Aerospace Exploration Agency (JAXA). He joined Tokyo University of Science in 2015. He has been working on numerical simulations of fluid flows, data explorations, and optimizations. He is a Fellow of AIAA and ASME in addition to many societies in Japan. He is currently a council member of SCJ (Science Council of Japan).</p> |
| | <p>Professor Laurent El Ghaoui</p> <p>Professor of Electrical Engineering and Computer Sciences (EECS), Industrial Engineering and Operations Research Department (IEOR), The University of California, Berkeley, CA, USA</p> <p>Laurent El Ghaoui is a Professor of EECS and IEO at UC Berkeley, and also teaches within the Masters of Financial Engineering at the Haas School of Business. He has extensively published in optimization and machine learning, with a focus on robustness and sparsity issues. He is a co-founder of two startups: Kayros, which delivers physical asset information for the energy markets from various sources, such as satellite imagery; and sumup.ai, which provides large-scale text analytics for business applications.</p> |
| | <p>Professor Mark Hansen</p> <p>Professor at Civil and Environmental Engineering, The University of California, Berkeley, CA, USA</p> <p>Mark Hansen is a Professor of Civil and Environmental Engineering at the University of California, Berkeley. He graduated from Yale with a Bachelor's degree in Physics and Philosophy in 1980 and has a Ph.D. in Engineering Science and a Masters in City and Regional Planning from UC Berkeley. Prior to graduate school, Dr. Hansen worked as a physicist at the Environmental Protection Agency. Since joining the Berkeley faculty in 1988, he has led transportation research projects in urban transportation planning, air transport systems modeling, air traffic flow management, aviation systems performance analysis, aviation safety, aviation environmental analysis, and air transport economics. He has taught graduate and undergraduate transportation courses in economics, systems analysis, planning, probability and statistics, and air transportation. Professor Hansen is the Berkeley co-director of the National Center of Excellence in Aviation Operations Research, a multi-university consortium sponsored by the Federal Aviation Administration. He is former Chair of Transportation Research Board Committee AV-060, Airport and Airspace Capacity and Delay. He has served as Associate Editor of Operations Research and Transportation Research E.</p> |
| | <p>Professor Jacco Hoekstra</p> <p>Professor of Communication, Navigation, Surveillance/Air Traffic Management (CNS/ATM) at the Department of Control and Simulation, Faculty of Aerospace Engineering Delft University of Technology, Delft, Netherlands</p> <p>Professor Hoekstra worked at NLR, the Dutch National Aerospace Laboratory (nowadays Centre). He started as a researcher and project manager of many international, avionics and handling qualities research projects often using the flight simulator facilities. After participating in PHARE research, he also performed pioneering research in airborne separation assurance with both, US and European partners, for which he was among others awarded the doctoral degree of TU Delft.</p> <p>At NLR, he also served in a number of management positions. He was heading the Air Transport division and a member of the management team of NLR in 2007. Before that, he was also the head of the Civil Human Factors group, the Training & Simulation research department and the Human Factors department. He was also the director of AT-One. In 2007, he moved to the TU Delft to become the head of the Aerospace Engineering faculty. After serving two terms, he holds a chair in CNS/ATM at this faculty. In this chair, work is being carried out on foundational ATM research, ADS-B surveillance, drone sense & avoid, ATM simulation using big data techniques, machine learning. He is advocating and actively contributing to an open-source/open data approach in ATM.</p> <p>Professor Hoekstra is also the founder and member of the board of the Association of Scientific Development of ATM (ASDA), an association of more than 20 European, independent, non-stakeholder universities and research establishments.</p> <p>Prof. Hoekstra is an associate editor of the AIAA Journal of Air Transportation and an active member of the main ATM conference & seminar committees.</p> |
| | <p>Dr. Banavar Sridhar</p> <p>Principal Engineer, University Space Research Association (USRA), NASA Ames Research Center, Moffett Field, CA, USA</p> <p>Dr. Banavar Sridhar is Principal Engineer, University Space Research Association (USRA) at NASA Ames Research Center, Moffett Field, CA. He was formerly NASA Senior Scientist for Air Transportation Systems. His research interests are in the application of modeling and optimization techniques to aerospace systems. Dr. Sridhar received the 2004 IEEE Control System Technology Award for his contributions to the development of modeling and simulation techniques. He led the development of traffic flow management software, Future ATM Concepts Evaluation Tool (FACET), which received the NASA Software of the Year Award in 2006. He is a Fellow of the IEEE and the AIAA.</p> |