



WELCOME

July 18-22 , 2021, French Riviera, France

InfoWare
2021

ICCGI, COLLA, ICWMC, HUSO, VEHICULAR, INTERNET, INTELLI, VISUAL, BRAININFO

Enjoy permanent free access to the .pdf presentations and/or prerecorded videos along with their corresponding papers.

MANY THANKS FOR YOUR HARD WORK AND SUPPORT

Tough times ask for tough scientists and here you are. Authors, Chairs, Reviewers, Logistics acted exemplarily and put together an exceptional program.

TUTORIAL LECTURES

• 4 TUTORIAL SPEAKERS

Modulating the Interoceptive Network through Mechanical Dermal Stimulation

Gina Sensale, Feelmore Labs, Inc., USA

Sahithi Garikapati, Feelmore Labs, Inc., USA

Gina Distefano, Feelmore Labs, Inc., USA

Prof. Dr. Sean Hagberg, Feelmore Labs, Inc., USA

Security Threats from Superfast Networks

Prof. Dr. Ioannis A. Pikrammenos, Mediterranean College, Athens, Greece

In-Building Small Cell Networks: Achieving High Capacity Indoors

Postdoc, Ph.D. Eng. Rony Kumer Saha, Radio and Spectrum Laboratory /Future Network Infrastructure

Division 2/Advanced Technology Laboratory, KDDI Research, Inc., Japan

Interaction Design with Discourse Models for Automated Web GUI Generation and Customization

Prof. Dr. Hermann Kaindl, TU Wien, Austria

KEYNOTE SPEAKERS (I)

- **13 KEYNOTE SPEAKERS**

Web Vulnerability in 2021: Large-scale Inspection, Findings, Analysis and Remedies

Prof. Dr. Borka Jerman Blažič, International postgraduate school Jožef Stefan, Ljubljana, Slovenia

Machine Learning for Distributed Software Defined Networks (SDN)

Prof. Dr. Kin K. Leung, Imperial College London, UK

Architecture Design Patterns for Digital Twin-based Systems

Prof. Dr. ir. Bedir Tekinerdogan, Wageningen University & Research, The Netherlands

Hybrid Neural Network Modeling for Multiple Intersections along Signalized Arterials - Current Situation and Some New Results

Prof. Dr. Hong Wang, Oak Ridge National Laboratory, USA

Hybrid Intelligence: Theory and Application Scenarios

Prof. Dr. Alexander Ryjov, Lomonosov Moscow State University, Russia

Current Research Directions in Social Robotics to Substitute Human Empathy in Elderly and Patient Care

Prof. Dr. Arvind Bansal, Kent State University, USA

Security for Connected, Automated Vehicles: Enforcing Cooperative Adaptive Cruise Control

Prof. Dr. Frank Kargl, Ulm University, Germany

KEYNOTE SPEAKERS (II)

- **13 KEYNOTE SPEAKERS**

The Role of Computational Neuroscience Machine Intelligence in Sentience, Common Sense and Artificial Consciousness
Prof. Dr. Rory Lewis, University of Colorado at Colorado Springs, USA

Animating fluids in real-time in computer graphics
Assist. Prof. Dr. Prashant Goswami, Blekinge Tekniska Högskola, Sweden

A Fuzzy Logic - based Approach to Producing Health Care Services Recommendations
Lect Dr. Stavroula G. Barbounaki, Merchant Marine Academy of Aspropyrgos, Aspropyrgos, Greece

Networks and Narratives: Bots, Trolls, and Mobs
Prof. Dr. Nitin Agarwal, Jerry L. Maulden-Entergy Endowed Chair & Distinguished Professor, University of Arkansas at Little Rock, USA

DroneCMS: Flying Infrastructure for Intelligent Crowd Management and Security for Mega Events
Dr. Hamid Menouar, Qatar Mobility Innovations Center (QMIC), Doha, Qatar

Advances in Industry 4.0 and the Industrial Internet of Things
Prof. Dr. Dimitrios Georgakopoulos, Swinburne University of Technology, Australia

ONE EXPERTS PANEL

Communications of the Future: Hot Topics in Internet

(speed, 5G/6G, streaming, mmwave networks; network slicing, high data processing, industrial protocols, mobility, security, monitoring, etc.)

Chair

Prof. Dr. Brian Kelley, University of Texas at San Antonio / 5G Program Management Office - JBSA 5G NextGen, USA

Panelists

Prof. Dr. Eugen Borcoci, University Politehnica of Bucharest, Romania

Prof. Dr. Dirceu Cavendish, Kyushu Institute of Technology, USA/Japan

Dr. Lin Han, Futurewei Technologies, USA

Dr. Zhicheng Yang, PingAn Tech - US Research Lab, USA

TWO SPECIAL TRACKS

STIS: Socio-technical Information Systems - Design and Application of Socially-aware IT

Chair: Prof. Dr. Olga Levina, TH Brandenburg, Germany

UAV5GB: UAV Communications for 5G and Beyond

Chairs:

Dr. Xuesong Cai, PhD, Department of Electronic Systems, Aalborg University, Denmark

Assistant Prof. Dr. José Rodríguez-Piñeiro, PhD, College of Electronics and Information Engineering, Tongji University, China

SPECIAL THANKS for supporting PERMANENT & FREE ACCESS

Special thanks to ALL contributors!

IARIA proceedings and journals are free-access with no subscription and no-publication-fees for journal contributions (see ThinkMind Digital Library, www.thinkmind.org and Journals www.iariajournals.org).

The only operational support comes from registration fees. This generous and ethically fair knowledge sharing model cannot survive a pandemic without true believers in free-access to knowledge and information, which is IARIA's philosophy and vision.

Thanks to all outstanding scientists contributing to InfoWare 2021 program!

For 2021, all events will be held in a hybrid mode with 5 options: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides).

We hope for better times allowing us to return to the traditional on-site scientific events. However, we are ready to adapt to any unexpected circumstances.

Hoping that 2022 will be a more agreeable year!

Special and Regular Contributions

Despite the ups/downs of the virus, early submissions were more enthusiastic as everyone was hoping that the Spring season 2021 will find us safe, but also virus-free. We wish this were the case and everyone could have attended in person and enjoyed the event.

It is important to say that the help and contributions of all active members, chairs, keynote speakers, tutorial speakers, chairs, authors and members of the respective program committees were outstanding. The result is illustrated by a very rich and instructive program.

We hope you will enjoy it.

Hope dies last! Hoping for better with *InfoWare 2022*.

Be Safe and Stay Healthy!

Chairs & Logistics

July 18, 2021