



WELCOME
April 18-22, Porto, Portugal

ComputationWorld
2021

**CLOUD COMPUTING, SERVICE COMPUTATION, FUTURE COMPUTING, ADAPTIVE, CONTENT, COGNITIVE, PATTERNS,
COMPUTAION TOOLS, BUSTECH**

WELCOME

**Enjoy permanent free access to the .pdf presentations and/or pre-recorded videos
along with their corresponding papers**

MANY THANKS FOR YOUR CONTRIBUTIONS AND HARD WORK

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

KEYNOTES, TUTORIALS

9 KEYNOTES

- Prof. em. Dr. Andreas Hausotter, University of Applied Sciences and Arts Hannover, Germany
- Prof. Dr. Aspen Olmsted, New York University (NYU) Tandon School of Engineering, USA
- Dr. Olga Chernavskaya, P.N. Lebedev Physical Institute, Moscow, Russia
- Dr. Jay Lofstead, Sandia National Laboratories, USA
- Prof. Dr. Hiroyuki Sato, The *University of Tokyo*, Japan
- Prof. Dr. Yong Woo Lee, University of Seoul, South Korea
- Prof. Dr. Joao E. Kogler Jr, University of Sao Paulo, Brazil
- Dr. Christoph Knieke, TU Clausthal, Germany
- Prof. Dr. Andreas Rausch, TU Clausthal, Germany

2 TUTORIALS

- Prof. Dr. Arne Koshel, University of Applied Sciences and Arts Hannover, Germany
- Prof. Dr. Robert Duncan, University of Aberdeen, Scotland, UK

PANELS, SPECIAL TRACKS

2 EXPERTS PANELS

- **Can the Emerging Technologies Enable the Circular Economy?** (Chair: Dr. Benjamin Leiding)
- **Data Processing on Clouds: Complexity and Security Challenges** (Chair: Prof. Dr. Herwig Mannaert)

4 SPECIAL TRACKS

- **secCC: Securing the Future of Cloud Computing**
Chair and Coordinator: Aspen Olmsted, Ph.D., Fisher College, USA
- **CCSP: RND Cloud Cyber Security and Privacy: Readiness for the Next Decade**
Chairs and Coordinators:
Prof. Dr. Bob Duncan, University of Aberdeen, UK
Prof. Dr. Magnus Westerlund, Arcada University of Applied Sciences, Finland
Prof. Dr. Andreas Aßmuth, Technical University of Applied Sciences OTH Amberg-Weiden, Germany
PhD Candidate, Sebastian Fischer, Technical University of Applied Sciences OTH Regensburg, Germany
- **PDE: Primary Data Entry**
New Findings in Education: Primary Data Entry in Shaping Intentionality and Cognition
Chair and Coordinator: Prof. Dr. Igor Val Danilov, Academician at Academy Angelica Costantiniana (Rome),
Academic Center for Coherent Intelligence, Italy
- **EMPAT-2021: Evolvable Modularity Patterns**
Chair and Coordinator: Prof. Dr. Herwig Mannaert, University of Antwerp, Belgium

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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.

Thank you to all outstanding scientists contributing to NexComm 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 fall season 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. We are optimistic about the future and estimate that by the fall of 2021 we will gradually start coming to normal.

For *ComputationWorlds 2021 Congress*, despite the pandemic, but thankfully to our scientific contributors and helpers, about 120 contributions submitted, around 40 were accepted and registered (some, with a few rounds of cross-validations); the decreased number was due to travel bans, corporate/university regulations, precaution, as well as overwhelming online teaching duties.

Hoping for better with *ComputationWorld 2022*.

Be Safe and Stay Healthy!

Chairs

Logistics

April 18. 2021