

# REV 2020 – Call for Papers

February 26<sup>th</sup> – 28<sup>th</sup>, 2020, University of Georgia (Athens, GA, USA)



## 17<sup>th</sup> International Conference on Remote Engineering and Virtual Instrumentation: Cross Reality and Data Science in Engineering

The REV is the annual conference of the International Association of Online Engineering (IAOE) together with the Global Online Laboratory Consortium (GOLC).

REV 2020 is the 17<sup>th</sup> in a series of annual events concerning the area of Online Engineering, Cyber-physical Systems and Internet of Things, including Remote Engineering & Virtual Instrumentation.

In a globally connected world, the interest in online collaboration, teleworking, remote services and other digital working environments is rapidly increasing. In response to that, the general objective of this conference is to contribute and discuss fundamentals, applications and experiences in the field of Online and Remote Engineering, Virtual Instrumentation and other related new technologies, including:

- Cross Reality
- Data Science & Big Data
- (Industrial) Internet of Things
- Industry 4.0,
- Cyber Security, and
- M2M & Smart Objects.

Another objective of the conference is to discuss guidelines and new concepts for engineering education in higher and vocational education institutions, including emerging technologies in learning, MOOCs & MOOLs, and Open Resources. REV2020 will offer an exciting technical program as well as networking opportunities.

### Special Thematic Tracks

- Data Science and Big Data
- Cross Reality in Engineering Education
- VISIR Laboratory Federation
- e-Engineering Alliance
- Standardization in Online Labs
- Online Lab Effectiveness and Evaluation

### Pre- and Post-conference

The program for Wednesday March 26<sup>th</sup> includes special thematic workshops by academics and industry. A social program is planned for Saturday 28<sup>th</sup>. This will enable ample opportunities to learn more about the REV community and to widen your network.

### Other opportunities to participate

Posters, thematic workshops, tutorials, technical sessions, as well as interactive demonstrations and exhibitions may also be proposed. Prospective organizers of other REV2020 events are encouraged to contact the conference chair.

### Important Dates

23 Sep 2019	Submission of structured abstracts for full and short papers; Submission of proposals for special sessions
15 Oct 2019	Invitation to submit a full paper or short paper
15 Nov 2019	Submission deadline for complete full and short papers and all other submissions (Special sessions papers, Work in Progress, Demos, Poster, Tutorials, Workshops)
01 Dec 2019	Notification of Acceptance
15 Dec 2019	Camera-ready due Late Paper submission
21 Dec 2019	Submissions for GOLC OnlineLabAward 2020
31 Dec 2019	Author registration
26 Feb 2020	Conference opening

### Topics of Interest (but not limited to)

Applications & Experiences  
Artificial Intelligence  
Augmented Reality  
Big Data  
Cyber Physical System  
Cyber Security  
Collaborative Work in Virtual Environments  
Cross Reality Applications  
Data Science  
Evaluation of Online Labs  
Human Machine Interaction & Usability  
Internet of Things  
Industry 4.0  
M2M Concepts  
Mixed Reality  
Networking, Edge & Cloud Technology  
Online Engineering  
Process Visualization  
Remote Control & Measurements  
Remote & Crowd Sensing  
Smart Objects  
Smart World (City, Buildings, Home etc.)  
Standards & Standardization Proposals  
Teleservice & Telediagnosis  
Telerobotic & Telepresence  
Teleworking Environment  
Virtual Instrumentation  
Virtual Reality  
Virtual & Remote Laboratories

### General Chair

Michael E. Auer, Founding IAOE President & CEO

### REV2020 Chair

Dominik May, UGA & IAOE Vice-President

### Program Co-Chairs

Joachim Walther, UGA & EETI  
Kyle Johnsen, UGA & Georgia Informatics Institutes  
Kalyan Ram B, IAOE President & Electron Solutions Pvt Ltd

### Review / Proceedings

All submissions are subject to a double-blind reviewing process. All accepted submissions will be published as REV2020 Proceedings in Springer 'Lecture Notes in Networks and Systems'.

### More Information

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