

REV 2020 – Call for Papers

February 26th – 28th, 2020, University of Georgia (Athens, GA, USA)



17th 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 17th 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 26th includes special thematic workshops by academics and industry. A social program is planned for Saturday 28th. 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
14 Jan 2020	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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