REV2022 – 1st Announcement & Call for Papers
February 28th – March 2nd, 2022, The British University in Egypt, Cairo

19th International Conference on Remote Engineering and Virtual Instrumentation:
Artificial Intelligence and Online Engineering

The REV is the annual conference of the International Association of Online Engineering (IAOE) together with the Global Online Laboratory Consortium (GOLC). It is the 19h in a series of annual events concerning the fundamentals/ applications/experiences in the field of Online Engineering and related new technologies including:

- Internet of Things & Industrial Internet of Things (Industry 4.0)
- Online & Biomedical Engineering
- Data Science, Machine learning and Artificial Intelligence
- Cross & Mixed Reality
- Remote Working Environments

Another objective of the conference is to discuss guidelines and new concepts for engineering education in higher and vocational education including emerging technologies in learning, MOOCs & MOOLs and Open Sources. REV2022 will offer an exciting technical program as well as networking opportunities.

Special Thematic Tracks
- Engineering Education after COVID 19
- Data Science in Engineering Education
- Big Data and Visualization
- AI and Design in Engineering
- IoT and Tiny ML: From Smart Houses to Smart Cities
- Cross & Mixed Reality and Artificial Intelligence
- Engineering vs Art
- VISIR Laboratory Federation

Submission Types
REV conferences have a two-step review process. Based on abstract submissions for full and short papers, authors will be invited to submit complete papers. All submissions undergo a double-blind review process.

Other opportunities to participate
Posters / Work in Progress / Thematic Workshops / Tutorials / Technical Sessions, as well as Interactive Demonstrations and exhibitions, may also be proposed. Prospective organizers of other REV2022 events are encouraged to contact the conference secretariat.

REV General Chair
Michael E. Auer, IAOE Founding President & CEO

Advisory Board Chair
Yehia Bahei El-Din, Acting President BUE, Egypt

REV2022 Chairs
Dominik May, IAOE President, USA
Omar Karam, BUE, Egypt
Samir A. El-Seoud, BUE, Egypt

Program Chairs
Doru Ursutiu, IAOE Honorary President, Romania
Hani Ghali, BUE, Egypt

Technical Program Chairs
Hani Amin, BUE, Egypt
Sebastian Schreiter, IAOE, France

Important Dates

27 Sep 21	Submissions for GOLC Online Lab Award 2022
11 Oct 21	Submission of structured abstracts for full, short papers; and proposals for special sessions
25 Oct 21	Invitation to submit a full paper or short paper and special sessions
15 Nov 21	Submission deadline for complete full and short papers, Work in Progress, Demos, Poster, Tutorials, Workshops, Special sessions
06 Dec 21	Notification of Acceptance
23 Dec 21	Camera-ready upload open
07 Jan 22	Author registration, Camera-ready due
22 Feb 22	Conference Opening

Topics of Interest (but not limited to)
Artificial Intelligence and Online Engineering
Cross Reality
Big Data
Data Science and Online engineering
Biomedical Engineering
Collaborative Work in Virtual Environments
Online Labs in Industry and Engineering education
Human Machine Interaction & Usability
Internet of Things & Industrial IoT
Industry 4.0
Cyber Physical System
Cyber Security
M2M Concepts
Networking, Edge & Cloud Technology
Remote & Crowd Sensing
Smart Objects
Smart Environments (Smart Home, Smart Building, Smart City)
Standards & Standardization Proposals for Online Labs
Remote Technologies and Health Care
Accessibility for People with Disabilities

Review / Proceedings
All submissions are subject to a double-blind reviewing process. All accepted and presented submissions will be published as REV2022 Proceedings in Springer 'Lecture Notes in Networks and Systems'.

More Information
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