

# IEEE Education Society Standards Development and Virtual Graduate Study Consortium Kick off Workshop



**Chairs:** Luis Felipe Zapata-Rivera (Chair of IEEE Education Society Standards Committee) and Hamadou Saliah-Hassane (Past Chair of IEEE Education Society Standards Committee)

**co- Chairs:** Lei Zhang (Vice -Chair of IEEE Education Society Standards Committee), Johann Marquez-Barja (Secretary of IEEE Education Society Standards Committee), Jim Goodel, Chair of IEEE CS / Learning Technology Standards Committee and Larisa Dunai, IEEE Industrial Electronics (IES) Cross-disciplinary Cluster Delegate

## Goals:

- Promote IEEE Education Society Standards development and their dissemination
- Initiate activities of the IEEE Education Society Virtual Graduate Study Consortium (VGSC)

**Venues:** Hybrid : Online and satellite sites, **Wednesday, Dec 14th, 2022**

## Satellite Sites:

### Antwerp, Belgium

IDLab @ University of Antwerp & IMEC, The Beacon Sint-Pietersvliet 7, 2000 Antwerp, Belgium.  
Contact Info: Johann Marquez-Barja, [johann@marquez-barja.com](mailto:johann@marquez-barja.com)

### Montreal, Canada

TELUQ University, 5800, Saint-Denis Street, Room 12.143 Montréal (Québec) H2S 3L5, Canada.  
Contact Info: Hamadou Saliah-Hassane, [hsaliah@ieee.org](mailto:hsaliah@ieee.org)

### Cairo, Egypt

Future University, South Teseen Street, 5<sup>th</sup> District, New Cairo, Cairo Governorate, Egypt, 11835.  
Faculty of Engineering Room B4.5.  
Contact Info: Ahmed Sayed, [saeed3@yahoo.com](mailto:saeed3@yahoo.com)

### Rabat, Morocco

ENSIAS, Avenue, Mohammed Ben Abdedallah Regragui, Madinat Al Irfane, BP 713 Agdal, Rabat.  
Visio Conference Room  
Contact Info: Amine Berqia, [berqia@gmail.com](mailto:berqia@gmail.com)

### Boca Raton, Florida USA

Florida Atlantic University, 777 Glades Rd, Boca Raton, FL 33431.  
Contact Info: Maria Petrie, [petrie@fau.edu](mailto:petrie@fau.edu)

### Niamey, Niger

École Supérieure des Télécommunications (EST), Avenue Route de Ouallam - BP. 207 Niamey, Niger

Contact Info: Boubacar Issoufou Djibo, bidjibo@gmail.com

**Medellín, Colombia**

Universidad EAFIT, Carrera 49 No.7 Sur-50, Medellín, 05002. Aula Invertida - 19-414, Edificio de Ingeniería - Bloque 19, Piso 4

Contact Info: Juan Lalinde, jlalinde@eafit.edu.co

**Sfax, Tunisia**

Faculté des sciences, PPPR+FV6, Université de Route de l'Aéroport Km 0.5 BP 1169 .3029 Sfax Sfax, Sfax 3029, Tunisia

Contact Info: Habib M. Kammoun, habib.kammoun@ieee.org

**Prescott, Arizona USA**

Embry-Riddle Aeronautical University, 3700 Willow Creek Rd, Prescott, AZ 86301. King Building Conference Room 103.

Contact Info: Luis Felipe Zapata-Rivera, l.f.zapatarivera@ieee.org

**Description:** This one day workshop is an opportunity to learn more about the IEEE SA standards sponsored by IEEE Education Society (EdSoc), the IEEE SA Std. 1876-2019 on Networked Smart Learning Objects for Online Laboratories and IEEE SA P2834 Standard for Secure and Trusted Learning Systems co-sponsored by IEEE Industrial Electronics Society and IEEE Computer Society / Learning Technology Standards Committee. This event offers to students, faculty and industry members the opportunity to join the approved project of the creation of EdSoc Virtual Graduate Study Consortium (VGSC) and motivate their future participation in IEEE SA working groups.

[What is the IEEE Education Society Virtual Graduate Student Consortium Project?](#)

On June 22, 2021, the IEEE Education Society Board of Directors approved a proposal to form a Virtual Graduate Study Consortium (VGSC). The VGSC will not be limited in time and space to a particular conference. It will be a virtual organization (VO) initiated and sponsored by the IEEE Education Society with other IEEE organizational units (Societies/Councils) as well as academic and industry partners. The VGSC will be built using a participatory action research approach adopted for the development of the first IEEE Standards Association standard (IEEE SA Std. 1876 - 2019) on Networked Smart Learning Objects for Online Laboratories. This approach is found to be suitable due to the evolving nature of technological infrastructures based on interactive devices and innovative pedagogies such as contextualized learning, mentoring, and smart tutoring systems. The human mentoring actors for the project would be volunteer teacher-researchers and members of IEEE including the IEEE Education Society members as well as other partners, especially members of the standards working groups. We also count on all participants in the various committees such as the IEEE Transactions on Education Editors and the IEEE Transaction on Learning Technologies. In this way, we will co-build or use the environments and tools necessary to achieve the goals that are useful to higher education candidates around the world.

[To know more about IEEE SA Std. 1876 - 2019 Standards on Networked Smart Learning Objects for Online Laboratories](#) : <https://sagroups.ieee.org/edusc/>

[To know more about IEEE SA P2834 Project on Secure and Trusted Learning Systems](#): <https://sagroups.ieee.org/2834/>

## Agenda (EST Time / Montreal / New York):

### Morning: IEEE Education Society Standards

8:00 am – 8:15 am Welcome and Introduction (Luis Felipe Zapata-Rivera)

8:15 am – 8:30 am The Development Process of Standards

8:30 am – 9:10 am Education Society Standards

8:30 am – 8:40 am IEEE SA Std.1876-2019 : Miguel Rodriguez Artacho,

8:40 am – 8:50 am IEEE SA Std.1876-2019 : Janusz Zalewski

Resources: Denis Gillet [Smart Devices Concept for Online Laboratories](#)

8:50 am – 9:00 am IEEE SA P2834: Abdellah Touhafi,

9:00 am – 9:10 am IEEE SA P2834: Cihan Varol

Resources: Hamadou Saliah-Hassane and Cihan Varol, [Student and Data Privacy when Offering Remote Instruction](#)

9:10 am – 9:30 am Break

9:30 am – 10:30 am Industry Presentation:

9:30 am –10:45 am LabsLand (™) (Luis Rodrtiguez-Gil)

9:45 am –10:00 am RePub-It (™) (John B. Costa)

10:00 am –10:15 am LAB-VEE (™) (Reymi Then, Ludwing Hernández)

10:15 am –10:30 am Liquid Instruments (™) (Simon Kaell)

Resources: Video Presentation of [The Importance of Standards](#): Hermann Koch and Paul Nikolich

10:45 am – 11:45 am Q&A Industry Presentations and discussion on standards in Industry and academic research.

Resources: [Academic Research and International Standardization](#) (Edward Au and Hermann Koch)

11:45 am – 12:15 pm Lunch Break.

### Afternoon: Virtual Graduate Study Consortium (VGSC)

12:15 pm – 12:30 pm Introduction of the VGSC (Hamadou Saliah-Hassane)

12:30 pm – 1:30 pm Student Presentations and Discussion

1:30 pm – 2:30 pm Hybrid Round Table with Students, Educational Institution Representatives, Academics and Industries.

2:30 pm – 2:45 pm Closing Remarks (Luis Felipe Zapata Rivera)

## Companies Participating:

