Message from the General Chair

We welcome you to this special occasion, the **EDUNINE2018 – II IEEE World Engineering Education Conference** to reflect upon and celebrate engineering and technology education achievements. It is the ideal time to explore the challenges and successes of peers and colleagues in these fields.

The theme of the conference is **"The role of Professional Associations in Contemporaneous Engineer Careers"**, an exciting topic that has brought a wide range of collaborations from the scientific community.

This conference could not happen in a better venue – Buenos Aires the capital city of Argentina. A vibrant city in South America, full of history and unique music – the Tango. Considered the most European city in Latin America. A place to know and to enjoy.

Discussions during plenary sessions as well as workshops and paper presentations will help to construct an agenda for substantive change in the academy worldwide. Following this four-day intensive conference, we plan to discuss and to disseminate the state of the art and recommendations in the fields to the academic as well as to the stakeholders of high education. We look forward to thought-provoking discussions that will effect meaningful change.

Special thanks go to the host institution **Universidad CAECE**, local committee members, and conference committee members, without whom this conference would not have been possible.

Thanks also to the technical cooperators organizations for their support. The **EDUNINE2018 – 2nd IEEE World Engineering Education Conference** is organized by a partnership between **IEEE - Education Society** (Education Society of the Institute of Electrical and Electronics Engineers) and **COPEC** (Science and Education Research Organization) and in Technical Cooperation (in alphabetical order): AAMP (Fishing Museum Friends Society), ABENC (Brazilian Society of Civil Engineers), ABENGE (Brazilian Society for Engineering Education), AENUI (Asociación de Enseñantes Universitarios de la Informática), ASEE (American Society for Engineering Education), ASIBEI (Iberian-American Association of Engineering Education Institutions), GCMM (Global Congress on Manufacturing and Management), IFEES (International Federation of Engineering Education Societies), IGIP (Internationale Gesellschaft für Ingenieurpädagogik), INTERTECH (International Council for Engineering and Technology Education), ISTEC (Iberian American Science & Technology Education Consortium), OERN (Institute of Engineers of Portugal – North Region), Porto Gente (PortFolk), RBE (Brazilian Network of Engineering), RCI (Réseau Carthagène d'Ingénierie), SBA (Brazilian Automation Society), SBC (Brazilian Computer Society), SEFI (Société Européenne pour la Formation des Ingénieurs), SHERO (Safety, Health and Environment World Organization), SPEE (Portuguese Society for Engineering Education), SPEED (Student Platform for Engineering Education Development), WCCA (World Organization on Communication and Arts) and WCSEIT (World Organization on Systems Engineering and Information Technology).

We could never forget the valuable and indispensable work of the local committee our partners **Prof. Maria Feldgen** and **Prof. Osvaldo Clua**.

Our deepest gratitude to all our colleagues of the **IEEE Education Society Board of Governors** who supported this idea to have a new conference in **IEEE Region 9**, also to the Past President Jr, **Prof. Jim Sluss**, the President Elect **Prof. Russ Meier** and the Past President Sr, **Prof. Manuel Castro** with their valuable expertise and advise and **Prof. Henrique Santos**, the Vice President for Conferences and Workshops for their hard work and dedication.

EDUNINE is the **IEEE Education Society** Conference in Region 9, Latin America, **FIE** (Frontiers in Education) is our oldest conference having the 48th conference in San Jose, CA, USA, during next October is our conference organized in **IEEE Regions 1 to 7**, preferably, **EDUCON** (IEEE Global Engineering Conference) is in ninth edition in Canary Islands in April, 2018, and covering **IEEE Region 8** (Europe, Middle East and African) and **TALE** (IEEE International Conference on Teaching, Assessment, and Learning for Engineering) is in this seventh edition next December 2018 in Australia in **IEEE Region 10** (Asia and Oceania).

On **EDUNINE** (IEEE World Engineering Education Conference) will be a pleasure to receive your ideas, submissions, and technical papers as well as to have the best networking of our Engineering Education community around the world.

We are sure that you will enjoy the scientific program, the quality of the papers and all the opportunities of networking meeting and interact with the leading scientists and researchers, friends and colleagues.

Our sincere thanks to the authors and participants for their collaborations and active participation, which are the core of the event as well as the reviewers for their efforts and dedication to evaluate the papers.

So on behalf of **EDUNINE** Steering Committee and myself we are extremely happy to welcome and talk to all the participants of the conference and we believe that all the participants will take the best of this experience.

Thank you all.

Prof. Dr. Claudio R. Brito
EDUNINE2018 General Chair
IEEE Education Society President

Message from the Co Chair

As the Co-Chair of **EDUNINE2018 – 2nd IEEE World Engineering Education Conference** I want to express how I am glad with the response that it received.

The **EDUNINE – IEEE World Engineering Education Conference** is in its second edition of **IEEE Education Society Conference** in Region 9 - Latin America and it has been a great pleasure to count with the all the volunteer contribution to the conference.

EDUNINE2018 has this second edition in Buenos Aires, Argentina that is a city of history with a rich cultural heritage. It is a vibrant city, known for its beauty and music. We could never forget to point out the host Institution **Universidad CAECE** principally the local committee members who made an outstanding job.

The conference has counted with a wide representation of fields, specializations and interests. The program counted with a variety of panels and roundtables that presented cutting-edge research and theory. This successful conference program was possible thanks to the dedication of all staff members, reviewers and the local committee. We are sure that the conference has another successful **IEEE Education Society Conference**.

I would like to thank all authors and participants for their collaborations, for attending the conference and bringing their expertise to our gathering.

Thank you all and enjoy the scientific experience!

Prof. Dr. Melany M. Ciampi
EDUNINE2018 Co Chair
IEEE Education Society Secretary