

A leading topic in many global forums and in the upcoming ISTE C General Assembly is Energy, Sustainability and Entrepreneurship. We believe efforts under these important areas can help integrate the Latin American and Caribbean Region, in the area of public policy, multilateral collaboration agreements, education, and private enterprise projects.

In close collaboration with the International Federation of Engineering Education Societies (IFEES - www.ifees.net), of which ISTE C is a member, ISTE C has been involved with other organizations in the creation of the IFEES-Americas/Engineering for the Americas Strategic Plan of March 1, 2010. The Strategic Plan can be downloaded from the ISTE C website. Dr. Ramiro Jordan, founding member of ISTE C, is the IFEES-Americas VP for 2010-2011.

ISTE C and other regional participating organizations have agreed to work in the all-inclusive effort of “Energy, Entrepreneurship, and Engineering Education for Sustainability = E4S”. This effort links all Initiatives identified in the IFEES-Americas/Engineering for the Americas under an integrative umbrella, and offers a common thread to integrate the Americas and Caribbean Region under one systemic and unifying project. This effort, though ambitious and complex, demands the participation of many members of society. It impacts K-12, technical and higher education, life-long learning and parental involvement. It will also require the participation of professional societies, academia, industry, governments, R&D centers, multilateral organizations, NGOs, foundations and philanthropic institutions. The effort demands multidisciplinary and multicultural collaboration across geographical borders, encouraging the mobility of students, faculty and staff. New curricula will be an outcome to be shared, accompanied with the culture of quality in educational programs through accreditation programs.

“E4S” will raise awareness of the importance of Science, Technology, Engineering, Math education, R&D and Entrepreneurship in national and regional strategic plans. The effort demands innovative and creative solutions, implementable and sustainable in a global context. Entrepreneurial activities, and generation of wealth in a socially responsible and sustainable fashion, will be another outcome.

Consistent with ISTE C’s mission, its membership will be asked to participate in the “Energy, Entrepreneurship, and Engineering Education for Sustainability = E4S” effort. In order to have the Latin American and Caribbean Region play a leading role in the new global context, key outcomes are:

- 1) Creation of a Deans Councils in each country in the Americas, with each Council member joining the GEDC (Global Engineering Deans Council, <http://www.gedcouncil.org>). This subset will become the GEDC-AMERICAS Council.
- 2) Identification of “champion” organizations and individuals to further each of the Four Initiatives under E4S. Commitment requires: leadership, funding, administrative support, IT infrastructure, press releases, donations, organizing events, contacting individuals/organizations, writing articles, etc.
- 3) Securing funding to carry out projects/programs under each of the Four Initiatives. This

includes (a) writing and submitting proposals to foundations, industry, multilateral organizations, government agencies, donors, and others; (b) coordinating efforts with organizations already actively involved in the Region, to avoid duplication of efforts and maximize resources.

4) Raising awareness of the Latin America region within academia, industry, multilateral organizations, foundations, NGOs, social networks, government agencies, and potential donors. Several existing platforms have been identified as potential initial projects in support of the E4S effort. This list will expand as other projects and programs from other organizations in the region are identified. As an example of an existing effort please go to the " Global Energy Observatory Website, <http://globalenergyobservatory.org/geo/>

The updated "Energy, Entrepreneurship, and Engineering Education for Sustainability = E4S" effort description will be made available by September. We will keep our members abreast of this evolution in future news bulletins and via our website.

Please mark your calendars and join us at the XVIII General Assembly in Porto Alegre, Brasil, Nov. 29- Dec. 3, and participate in the global challenge of Sustainability, Innovation, and Renewable Energy!