Engineering for the Americas: Progress on the Action Plans of the Ministers of Science and Technology of the Organization of American States

Dr. Maria M. Larrondo-Petrie, Florida Atlantic University

Dr. Larrondo Petrie has a Ph.D. in Computer Engineering and is a Professor and Associate Dean of International Affairs in the College of Engineering and Computer Science of Florida Atlantic University. She is the Executive Director of LACCEI (Latin American and Caribbean Consortium of Engineering Institutions) and served in the past as an officer of the International Division of ASEE (American Society of Engineering Institutions). She is Editor-in-Chief of the Latin American and Caribbean Journal of Engineering Education, forms part of the International Advisory Board to the Journal of Engineering Education published by ASEE, and is on the Editorial Board of the IEEE Education Society’s Iberian-American publication, called RITA because of its acronym in Spanish. She is Chair of Engineering Education Initiatives in EftA (OAS Engineering for the Americas) and organizes the annual Engineering for the Americas Encuentro (in English: Encounter). She is part of the Education Committee of UPADI (in English: Pan American Federation of Engineering Associations), serves of the Board of ASIBEI (in English: Iberian-American Engineering Education Association), and in the past served as First Vice President of IFEES (International Federation of Engineering Societies).
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The Organization of American States’ First Meeting of Ministers and High Authorities of Science and Technology, held in Lima, Peru in November of 2004, resulted in the Declaration of Lima [1], which pronounced that science, engineering, technology, innovation, and education are fundamental to the development of the countries of the Americas, and needed their sustained attention and commitment for resources. An emphasis was made on “integral” development and hemispheric cooperation to impact job creation, to combat poverty and gender inequity, and to protect the quality of the environment. The Lima Action Plan was defined and a commitment to invest and convene annual meetings of the commissions of science, engineering, technology and innovation (COMCYT) to follow up and disseminate national and hemispheric results. OAS established Engineering for the Americas (EftA)[2] which permitted broad partnerships involving activities both at the grass roots and in political policy. A hemispheric collaboration agreement was signed with the multinational engineering education organizations key to the region. In addition to these organizations, EftA participation included the World Federation of Engineering Societies (WFEO – groups the organizations of engineering professionals), government entities, such as the National Councils of Science and Technology and the US Trade and Development Agency, and was supported by a number of private sector companies, such as Hewlett Packard, Microsoft, and National Instruments. One of the first outcomes from EftA was successfully seeking funds from the Inter-American Development Bank to create the Greater Caribbean Region Engineering Accreditation System (GCREAS) [3]. In the last Ministerial gathering, held in Panamá, the Ministers developed the Panamá Action Plan, which structured efforts into 4 Working Groups: WG1 Innovation (lead by Mexico), WG2 Human Resources Training and Education (led by Argentina), WG3 National Quality Infrastructure (led by Canada) and WG4 Technological Development (led by Colombia). This paper summarizes accomplishments up to date of the groups, and discusses in more detail the outcomes of the efforts of WG2 that impact engineering education.

