Curriculum Vitae (Summary)

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Official training received and Current Professional situation:

Edmundo Tovar (M'94–SM'06), IEEE senior member, received the computer engineering degree and Ph.D. degree in informatics from the Madrid Technical University (Universidad Politécnica de Madrid, UPM), Madrid, Spain, in 1986 and 1994, respectively.

He is currently (2001-) with the UPM as a Professor of information technology in enterprise with the Languages and Information Systems Department.

He is a Certified Software Development Professional (CSDP) (2005 -) and Professional Software Engineering Master Certification (2015-) of the IEEE Computer Society and Academic Advocate of ISACA, Information Systems and Control Association (2008 -).

He is member at large of the Board of the COLEGIO PROFESIONAL DE INGENIEROS EN INFORMÁTICA DE LA COMUNIDAD DE MADRID.

He worked as Software engineering and Knowledge Engineering in the Public Administration and private companies (1988- 1993).

Current Research and management of research:

Leader of an Innovation Group in Education in the UPM focused in the application of Web technologies to OpenCourseware and Open Educational Resources (OER), he is currently participating in R&D&I European and national projects funded in competitive calls by the European Commision, Education and Science Ministry and Madrid's Regional Government.

Author of around 200 papers mainly in Engineering Education and technologies applied to.

He has been recognized with two research six years periods.

Member of the "2015 Distinguished Speakers Bureau" and plenary speaker of COMPSAC 2015, key annual conference for the IEEE Computer Society.

He is member of the Steering Committee of the IEEE EDUCON and the IEEE Frontiers in Education (FIE) Conference (International), one of the most relevant and respected forum for disseminating innovations that improve computer science, electrical engineering, and technology education. He has been Co-Chair of FIE 2014, organized in Madrid, Spain, by the IEEE and the ASEE.

Higher Education Quality Management:

Consultant in Quality Assurance, he has been member of many Committees of external Evaluation of the I and II National Plans of Universities Evaluation, COLUMBUS Program, working group for the Madrid's university system (ACAP) and ANECA. He has been Associate Dean for Quality and Strategic Planning (2007-2012) in the Computing School of the Madrid Technical University, in charge of the certification of the Internal Quality System o the School of Informatics Engineer under the AUDIT Program (ANECA).

Currently he is member of the Accreditation Committee for EUROINF, European quality level for Informatics studies (ANECA).

Higher Education Academic Management:

He has been coordinator of a Joint Program of Doctorate Studies with different Latin-American universities (2001-now), and Information Audit and Security Master at UPM (2013).

He has served as an elected member of the Board of Directors of the OpenCourseWare Consortium, currently Open Education Consortium, (2009–2013), a worldwide community of hundreds of higher education institutions and associated organizations committed to advancing open education and its impact on global education (http://www.oeconsortium.org).

Executive Director of the OCW Office of the UPM (2008–2012) he is currently Executive Director of the Open Education Office at UPM.

Prof. Tovar is a member of the IEEE Education Society Board of Governors (2005–2012) and Vice President of Educational Activities and Awards (2013–2014). He is a member on behalf of the Education Society of the University Resources Committee of the IEEE Educational Activities Board, interface among other entities in education-related matters with ABET, Inc.

Awards and distinctions

He was awarded the IEEE EDUCON 2011 Meritorious Service Award (jointly with Manuel Castro) of the EDUCON 2011 conference; the 2008 Distinguished Chapter Leadership Award of the IEEE Education Society, and the 2011 Best Chapter Award (by the IEEE Region 8) and the 2007 Chapter Achievement Award (by the IEEE Education Society) for collective work in the Spanish Chapter of the IEEE Education Society. He received the award for Educational Innovation of the UPM in 2007 and among others, Certificate of Appreciation in recognition of distinguished efforts in serving as a board member of the OpenCourseWare Consortium 2009-2013, and Acknowledge for Distinguished Contributions to the Education Society´s Board of Governors.