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Short description

Ignacio Aedo holds a degree and a PhD in Computer Science from Universidad Politécnica de Madrid. He's currently full professor at the Universidad Carlos III de Madrid (Escuela Politécnica Superior). His research interests include hypermedia, interactive systems in education, web systems, electronic books, development methodologies and information systems for emergency situations. In 1990, he started his research activity in the field of interactive systems on which he is still involved. He has been visiting researcher at CSCL of IST Pennsylvania State University (2007-2008) and MAGIC of University of British Columbia (2011).

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- Paloma Díaz, Ignacio Aedo and Fivos Panetsos: "Modelling security policies in hypermedia and web-based applications", in *Web Engineering, LNCS 2016*, p. 90-104. 2001. (Eds: S. Murugesan and Y. Deshpande).
- Lorenzo Sommaruga, Nadia Catenazzi, Paloma Díaz, Ignacio Aedo and Antonio Berlanga: "Curso interactivo de programación en PASCAL". 1997. (Editorial McGraw-Hill Interamericana).
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Supervision of PhD

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- Integración de Patrones en el Proceso de Diseño de Sistemas Hipermedia Mediante el Uso de Ontologías. Susana Montero Moreno (with Prof. Paloma Díaz). 2005.

- Automatización de los procesos de generación, ensamblaje y reutilización de objetos de aprendizaje. Liliana Santacruz Valencia (with Prof. Carlos Delgado-Kloos).2005.
- Un marco de trabajo para la evaluación predictiva de sistemas de notificación en el campo de la aviónica. Miguel Ángel Sánchez-Puebla Rodríguez.2006.
- ComBLA. La aplicación del Análisis de Dominios al Desarrollo de Sistemas de Aprendizaje Asistido por Ordenador. David Díez Cebollero (with Prof. Camino Fernández-Llamas). 2009.

Research Funding

Research Grants

- EMERGENSYS: Information System for Emergency Management. Spanish Ministry of Science and Innovation. 115.780,00€. 2011-2013. PI
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- TIPEX: Information Technologies for the planning and training for Civil Protection. Spanish Ministry of Science and Innovation. 106.480,00€. 2011-2013. PI.
- ENERGOS: Smart Grids. CDTI-CENIT. 283.000€. 2010-2012. Participant
- MWTELL (Mobile and Wireless Technologies for Technology-Enhanced Language Learning). EU. 2009-2010. 37000€. PI.
- EXPLORE. CAM-UC3M. 7300€. 2009. Participant
- INTEGRA: Interaction for border control management. CDTI-CENIT. 315000€. 2009-2011. PI.
- UIA4SIGE: Usability, Interoperability y Accesibility of information systems for emergency management. Spanish Ministry of Science and Innovation. 173000 euros. 2007-2010. PI.
- AriadneToolRBAC: RBAC policy integration in web system design. CAM and UC3M. 8000 €. 2006. Participant.
- ARCE++: Advanced access methods for an information system for the international cooperation in emergency situations. Spanish Ministry of Science and Innovation. 84180€. 2004-2007. PI
- Support System for Building Hypermedia Applications / web based on the use of design patterns. CAM y FSE. 25000 €. 2002. Participant.
- MARAH: Method for access to information based on roles for Hypermedia Applications. CAM y FSE. 12000€. 2002. PI
- Ariadne: method and tool for the design of hypermedia systems. Spanish Ministry of Science and Innovation. 107701€. 2000-2003. PI.
- InterMediActor: Intelligent Multimedia Architecture of Leisure Management and Tele-education. 2000-2003. Participant.
- TRANSLIB: Advanced Multilingual Tools for Accesing Library Catalogues. EU. 1995-1997. Co-PI

Contracts

- groupVision Chair for Technologies for the Collaboration. 200000€. 2010-2013. PI.

- SICLE Information System for the Luso-Spanish cooperation. Spanish Ministry of Internal Affairs. 2009. € 18000. PI.
- Expansion of the Integrated Management of Emergency Provision of Means. Spanish Ministry of Internal Affairs. 2008. € 45000. PI.
- Report on the use of design patterns in the process of developing educational materials. CNICE (Spanish Ministry of Education). 2007. € 9000. Participant.
- New C4 Architecture for more open borders and Portable. AMPER. 2006-2007. € 100000. PI
- ESA6. Spanish Ministry of Internal Affairs. 2005-2007. € 85000. PI
- SIGAME: Integrated Media Management in Emergencies. Spanish Ministry of Internal Affairs. 2005-2008. € 158,000. Co-PI.
- ARCE: Application in Emergency Network. Spanish Ministry of Internal Affairs. 2001-2005. € 94000. PI.
- Development of tele-education platform. Spanish Ministry of Internal Affairs. 2003. € 24000. PI.
- Cooperation in projects related to web-semantics. Fundación Residencia de Estudiantes. 2003-2004. 15000€. Participant.

Service and administrative positions

- 2003-2007: Deputy Vice-President for Faculty and Departments. Universidad Carlos III de Madrid.
- 2008- : Deputy Vice-President for Faculty and Departments. Universidad Carlos III de Madrid.
- 2003-2007: Deputy Vice-President for Faculty, Postgraduate and Departments. Universidad Carlos III de Madrid
- 2000-2003: Vice-Dean of Computer Engineering of Universidad Carlos III de Madrid.
- 1998-2000: Vice-Head of Informatics Department of Universidad Carlos III de Madrid.
- 2005-2010: Director of Master of Web Engineering, supported by Sun Microsystems
- 2007-2010: SubDirector of Master of Management and Production of e-Learning. Universidad Carlos III de Madrid and Fundación Telefónica.
- 2005-2010: Director of Sun Room. Universidad Carlos III de Madrid
- General Chair. Interacción 2012. Leganés (Spain).
- Track Chair of "Digital contents for learning" in SAC 2003. ACM SIGAPP.
- Panel Chair of IEEE ICALT 2004. Joensuu (Finlandia).
- Co-Coordinator of technical Committee of i-Society 2006. Miami (EEUU).
- Co-Chair of Workshop HCI for emergencies. April 2008. CHI Conference. Florencia(Italia)
- Co-Chair of Special Session of HCI for emergencies. May 2008. ISCRAM Conference. Washington DC.
- General Co-Chair of IEEE ICALT. July 2008. Santander (Spain).
- Co-Chair of Special Session HCI for emergencies. May 2009. ISCRAM Conference. Gotteborg.
- Program Co-Chair of IEEE ICALT. Julio 2009. Riga (Letonia).
- Workshop Chair of IEEE ICALT. July 2010. Souse (Tunnisia).
- Treasurer of IEEE VL/HCC. September 2010. Madrid.
- Program Co-Chair of IEEE ICALT. July 2011. Athens (Georgia, USA).
- General Co-Chair of IEEE ICALT. July 2012. Rome.