

## ACCIÓN DE INTERNACIONALIZACIÓN EN DOCTORADO: INFORMÁTICA (PROF. MAYR)

Al terminar la actividad el asistente podrá (descripción de objetivos de la actividad):

- 1) Transmisión de conocimiento frontera en el ámbito de investigación del Programa
- 2) Promoción de estancias de investigación de doctorandos del programa en Centros de investigación extranjeros de prestigio.
- 3) Promoción de co-direcciones de tesis con investigadores extranjeros de prestigio.
- 4) Promoción de la colaboración en proyectos de investigación con investigadores extranjeros de prestigio.

Conocimientos previos necesarios:

Estudiantes de Doctorado  
PDI de la Universitat

Temas a desarrollar:

Seminario: Domain Specific Model Engineering by the example of Ambient Assistance

Fecha: 2/11/2017 Hora: 11:00

Lugar: 2S01 del DSIC

Duración estimada: 3h

Resumen del contenido:

Models are the fundamental human instruments for managing complexity and under-standing. As such they play a key role in any scientific and engineering discipline as well as in everyday life. Many modeling paradigms evolved over time in the various disciplines which lead to a huge variety of modeling languages, methods and tools. This in particular is true for Informatics, which is a modeling discipline per se, and since long tries to system-atize the realm of modeling by (1) clarifying the hierarchy of modeling layers like e.g. in MOF (meta object framework), (2) introducing ontological commitments into model hier-archies for a better semantical grounding, (3) harmonizing various modeling approaches to unified/universal ones, and (4) providing a framework for a systematic domain specific modeling method (DSMM) design where universal approaches fail. This lecture focuses on (4) and explains the concepts of domain specific model engineering using Ambient Assistance as an example domain. Ambient Assistance (AA) is a growing field in ICT: The range of applications is broad and covers everyday situations in private and business environments as well as support for people with special needs. Consequently, AA is challenging for computer scientists, software engineers and information technicians in both, research and application, with lots of questions to answer and technical solutions to find. Dealing with the support of humans, it is an interdisciplinary field affecting Psy-chology, Neurology, Medicine, Law, Philosophy, and others more. Models play a key role in AA systems as they are the integral means for data and knowledge acquisition, repre-sentation, evaluation and exchange between the various system components. Given the heterogeneous stakeholder community, these models have to be lean, focused on the field and intuitively to understand. That opens the arena for domain specific modeling lan-guages and methods. The lecture will start with a short introduction on the fundamentals of modeling, the vari-ous paradigms and the state-of-the art of modeling in Informatics. It then gives an over-view of methods and techniques used in current approaches to AA. From that, the role of models in AA as well as the requirements on appropriate modeling approaches are de-rived. Based hereon, a framework for developing a domain specific modeling method in-cluding modeling language design and tool development will be set out.

Tipo de actividad: reunión con estudiantes de doctorado e investigadores del PROS

Fecha: 2-3/11/2017 Hora: por determinar

Lugar: Sala reuniones DSIC

Duración estimada: 1 hora por reunión \* 5 reuniones

Resumen del contenido:

Se programarán al menos 5 sesiones de I+D con doctorandos e investigadores del Centro PROS y DSIC encaminadas al planteamiento de acciones de movilidad, apoyo en la realización de Tesis Doctorales, posible co-dirección de tesis doctorales y desarrollo de líneas de investigación conjuntas.

**Condiciones generales**

La acción formativa cumple las siguientes condiciones generales: [http://www.cfp.upv.es/cond\\_gen?2](http://www.cfp.upv.es/cond_gen?2)

**Organizadores:**

Responsable de actividad	MARÍA AMPARO CHIRALT BOIX
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Director académico	OSCAR PASTOR LOPEZ
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**Datos básicos:**

Tipo de curso	JORNADAS
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Estado	TERMINADO
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Duración en horas	13 horas presenciales
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**Dónde y Cuándo:**

Dónde	VALÈNCIA
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Horario	MAÑANA
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Observaciones al horario	En función del tipo de actividad. Confirmar fecha y hora consultando la descripción detallada de la actividad.
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Lugar de impartición	Confirmar consultando la descripción detallada de la actividad.
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Fecha Inicio	2/11/17
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Fecha Fin	3/11/17
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**Datos de matriculación:**

Matrícula desde	3/10/17
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Inicio de preinscripción	3/10/17
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Mínimo de alumnos	5
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Máximo de alumnos	30
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Precio	0,00 euros
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Observaciones al precio	0,00 € - Público en general
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**Profesorado:**

MAYR, HEINRICH C.