Year 3 Review Brussels, February 24th, 2011

Achievements and Perspectives :

Spreading Excellence

artirt

Ieader : Bruno Bouyssounouse UJF/Verimag Laboratory



Main Highlights in Y3

ARTIST Summer School in Europe 2010 - 6th edition

- high quality technical programme, excellent feedback from participants
- 100 selected participants and 14 invited speakers.

International ARTIST Summer School in China 2010 – 5th edition International ARTIST Summer School in South America 2010 – 4th edition International Summer School in Rabat, Morocco 2010

Graduate Schools:

- ARTIST Graduate School on RT Kernels for Microcontrollers June 14-18, 2010 Scuola Superiore Sant'Anna - Pisa, Italy
- ARTIST Graduate Course: Automated Formal Methods for Embedded Systems 2010 June 14-22, 2010 DTU - Lyngby, Denmark
- Quantitative Model Checking 2010
 March 2-5, 2010 IT University Copenhagen, Denmark

Conferences support for CPS Week, ES Week, FORMATS, MEMOCODE, DATE, EuroSys

ARTIST Workshops

Synchron, UML&FM, WSS, WESE, WFCD, FIT, WCET, OSPERT, HW Platforms and MPSoC Technical Meeting, Mapping Applications to MPSoCs, SCOPES, GREEMBED, FESA, WARM

ARTIST web portal



Recurring Events

ARTIST Summer School in Europe 2010 - 6th edition

- high quality technical programme, excellent feedback from participants
- 100 selected participants and 14 invited speakers.

International ARTIST Summer School in China 2010 – 5th edition

International ARTIST Summer School in South America 2010 – 4th edition

International Summer School in Rabat, Morocco 2010

Graduate Schools:

artırt

- ARTIST Summer School on Energy Efficiency

July 25-29, 2011 Povo, Trento, Italy

- ARTIST Graduate School on RT Kernels for Microcontrollers June 14-18, 2010 Scuola Superiore Sant'Anna - Pisa, Italy
- ARTIST Graduate Course: Automated Formal Methods for Embedded Systems 2010 June 14-22, 2010 DTU - Lyngby, Denmark
- <u>Quantitative Model Checking</u> 2010
 March 2-5, 2010 IT University Copenhagen, Denmark

Conferences support for <u>CPS Week</u>, <u>ES Week</u>, <u>FORMATS</u>, MEMOCODE, <u>DATE</u>, <u>EuroSys</u>

ARTIST Workshops

Synchron, UML&FM, WSS, WESE, WFCD, FIT, WCET, OSPERT, HW Platforms and MPSoC Technical Meeting, Mapping Applications to MPSoCs, SCOPES, <u>GREEMBED</u>, FESA, WARM

ARTIST web portal

red = recurring in Y4



International Collaboration blue = international

ARTIST Summer School in Europe 2010 - 6th edition

- high guality technical programme, excellent feedback from participants
- 100 selected participants and 14 invited speakers.

International ARTIST Summer School in China 2010 – 5th edition

International ARTIST Summer School in South America 2010 – 4th edition

International Summer School in Rabat, Morocco 2010

Graduate Schools:

artırt

ARTIST Summer School on Energy Efficiency

collaboration

Julv 25-29. 2011 Povo. Trento. Italv

- ARTIST Graduate School on RT Kernels for Microcontrollers June 14-18, 2010 Scuola Superiore Sant'Anna - Pisa, Italy
- ARTIST Graduate Course: Automated Formal Methods for Embedded Systems 2010 June 14-22, 2010 DTU - Lyngby, Denmark
- Quantitative Model Checking 2010 March 2-5, 2010 IT University Copenhagen, Denmark

Conferences support for CPS Week, ES Week, FORMATS, MEMOCODE, DATE, EuroSys

ARTIST Workshops

Synchron, UML&FM, WSS, WESE, WFCD, FIT, WCET, OSPERT, HW Platforms and MPSoC Technical Meeting, Mapping Applications to MPSoCs, SCOPES, GREEMBED, FESA, WARM

ARTIST web portal

Education

ARTIST Summer School in Europe 2010 - 6th edition

- high quality technical programme, excellent feedback from participants
- 100 selected participants and 14 invited speakers.

International ARTIST Summer School in China 2010 – 5th edition

International ARTIST Summer School in South America 2010 – 4th edition

International Summer School in Rabat, Morocco 2010

Graduate Schools:

- ARTIST Summer School on Energy Efficiency

Green = education

July 25-29, 2011 Povo, Trento, Italy

- ARTIST Graduate School on RT Kernels for Microcontrollers June 14-18, 2010 Scuola Superiore Sant'Anna - Pisa, Italy
- <u>ARTIST Graduate Course: Automated Formal Methods for Embedded Systems</u> 2010
 June 14-22, 2010 DTU Lyngby, Denmark
- <u>Quantitative Model Checking</u> 2010
 March 2-5, 2010 IT University Copenhagen, Denmark

Special Issues and Publications : eg: "Embedded Systems Design" 2nd edition – Peter Marwedel

Common Technical Baseline



Education: WESE Workshops

ArtistDesign:

- WESE'10: WS on Embedded Systems Education October 28th, 2010 Scottsdale, USA (in ESWEEK)
- WESE'09: WS on Embedded Systems Education October 15th, 2009 Grenoble, France (in ESWEEK)

• WESE'08: WS on Embedded Systems Education October 23rd, 2008 Atlanta, Georgia - USA (in ESWEEK)
Artist2:

- WESE'07: WS on Embedded Systems Education October 4-5, 2007 Salzburg, Austria (within ES Week)
- . WESE'06 Embedded Systems Education October 26th, 2006 Seoul, Korea
- WESE'05 WS on Embedded Systems Education September 22nd, 2005 Jersey City USA
- . ACM Special Issue on Education

and back in Artist FP5:

- . Artist International Collaboration Days 2003 Education October 11th 2003 Philadelphia
- . Artist FP5 Guidelines for a Graduate Curriculum on Embedded (publication)

. Synchron 2010

artur

November 29th - December 3rd 2010 Villa Clythia, Fréjus – France http://www.artist-embedded.org/artist/-Synchron-2010,1198-.html

Synchronous languages form a distinctive branch of Concurrency Theory. They are based on simple ideas of discrete logical time, explicit parallelism/concurrency and joint discrete reactions as operational behaviours. Their striking features is that such notions are provided to the plain designer him/herself, so that precise timing and time handling is seen as an integral part of functional design, not an extra-functional analysis and simulation afterthought addendum.

. UML&FM'2010

November 16th, 2010 Shanghai, China http://www.artist-embedded.org/artist/-UML-FM-2010-.html

The UML and formal methods communities have been working for a number of years to produce a practical (via UML) and rigorous (via formal methods) approach to software engineering.

UML is the de facto standard for modelling various aspects of software systems in both industry and academia, despite the inconvenience that its current specification is complex and its syntax imprecise. This third workshop will encourage new initiatives of building bridges between informal, semi-formal and formal notations.

WSS'10

October 29th, 2010 Scottsdale, Arizona (USA), within ESWeek 2010 http://www.artist-embedded.org/artist/-WSS-10-.html

An increasing amount of software is not written manually any more. Rather, software is synthesized from abstract models of the required functionality. As a result, the effort of generating software is reduced and software verification typically becomes easier.

Software synthesis has been implemented in various disperse communities. The workshop aims at bringing the software generation and software synthesis communities together and at identifying research problems which should be addressed by the scientific community.



(2/5)

SEVENTH FRAMEW

WESE'10

•

artin

October 28th, 2010 Scottsdale, Arizona (USA), within ESWeek 2010 http://www.artist-embedded.org/artist/-WESE-10-.html

As embedded system designs grow more complex and the time to market diminishes, quality embedded systems education becomes more and more important. This fifth workshop on the subject aims to bring researchers, educators, and industrial representatives together to assess needs and share design, research, and experiences in embedded systems education.

WFCD - 2010

October 24th, 2010 Scottsdale, Arizona (USA), within ESWeek 2010 http://www.artist-embedded.org/artist/-WFCD-2010-.html

The workshop aims to discuss recent results on component-based design with emphasis on design frameworks for realtime systems encompassing heterogeneous composition and models of computation. The focus is not only on fundamental results but also on their implementation in methods and tools and their concrete application in areas such as automotive, avionics, consumer electronics and automation.

FIT 2010

•

August 30th, 2010 Paris, France (associated with CONCUR 2010) http://www.artist-embedded.org/artist/-FIT-2010-.html

FIT stands for Foundations of Interface Technologies. Component-based design is widely considered as a major approach to developing systems in a time and cost effective way. Central in this approach is the notion of an interface. Interfaces summarize the externally visible properties of a component and are seen as a key to achieving component interoperability and to predict global system behavior based on the component behavior. To capture the intricacy of complex software products, rich interfaces have been proposed. These interfaces do not only specify syntactic properties, such as the signatures of methods and operations, but also take into account behavioral and extra-functional properties, such as quality of service, security and dependability. Rich interfaces have been proposed for describing, e.g., the legal sequences of messages or method calls accepted by components, or the resource and timing constraints in embedded software. The development of a rigorous framework for the specification and analysis of rich interfaces is challenging. The aim of this workshop is to bring together researchers who are interested in the formal underpinnings of interface technologies.

WCET 2010

•

July 6th, 2010 Brussels, Belgium (in conjunction with the 22nd Euromicro Conference on Real-Time Systems) <u>http://www.artist-embedded.org/artist/-WCET-2010-.html</u>

Reliable WCET bounds are a necessary component for the construction and verification of dependable real-time systems. They are an input for doing task CPU allocation, creating task schedules, and performing schedulability analysis.

. OSPERT 2010

July 6th, 2010 Brussels, Belgum (in conjunction with ECRTS10) http://www.artist-embedded.org/artist/-OSPERT-2010-.html

Developers of Real-Time Operating Systems (RTOS) are faced with many challenges arising from two opposing needs: extreme optimisation of resource usage (processor, energy, network bandwidth, etc.) and dynamic configuration, flexible scheduling, component-based development and deployment, etc. While real-time systems continue to be used in many small embedded applications, real-time services are being introduced and used in general-purpose operating systems. Notable examples are the various flavours of Linux that provide support to time-sensitive applications.

ARTIST HW Platforms and MPSoC Technical Meeting July 6-7, 2010 IMEC, Leuven, Belgium http://www.artist-embedded.org/artist/-ARTIST-HW-Platforms-and-MPSoC-.html

. Mapping Applications to MPSoCs 2010

June 29-30, 2010 St. Goar, Germany http://www.artist-embedded.org/artist/-map2mpsoc-2010-.html

The aim of the workshop is to provide a forum for brainstorming and road-mapping the future of mapping applications to MPSoCs. Knowledge about constraints and directions for future MPSoC architectures should be collected. Existing mapping techniques should be briefly presented and analyzed. Directions for future research should be proposed and evaluated.



(3/5)

(4/5)

SEVENTH FR/

SCOPES 2010

artırı

June 28-30, 2010 Schloss Rheinfels, St. Goar, Germany http://www.artist-embedded.org/artist/-SCOPES-2010-.html

13th International Workshop on Software and Compilers for Embedded Systems SCOPES focuses on the software generation process for modern embedded systems. Topics of interest include all aspects of the compilation process, starting with suitable modeling and specification techniques and programming languages for embedded systems. The emphasis of the workshop lies on code generation techniques for embedded processors. The exploitation of specialized instruction set characteristics is as important as the development of new optimizations for embedded application domains. Cost criteria for the entire code generation and optimization process include runtime, timing predictability, energy dissipation, code size and others. Since today's embedded devices frequently consist of a multi-processor system-on-chip, the scope of this workshop is not limited to single-processor systems but particularly covers compilation techniques for MPSoC architectures.

GREEMBED 2010

April 12th, 2010 Stockholm, Sweden, (in conjunction with CPSWEEK 2010) http://www.artist-embedded.org/artist/-GREEMBED-2010-.html

Second Workshop on Green and Smart Embedded System Technology: Infrastructures, Methods and Tools.

Efficient production, transmission, distribution and use of energy is a fundamental requirement for our modern society and its economy. Most systems for monitoring and control of energy production, distribution and use are today interconnected and controlled by embedded devices. This offers the opportunity for the creation of new integrated systems offering new products, processes and services with greater efficiency and better situation awareness to end-users and service and infrastructure owners.

FESA 2010

April 12th, 2010 KTH, Stockholm (Sweden) (within CPS Week) http://www.artist-embedded.org/artist/-FESA-2010-.html

Formalisms for Embedded Systems Architecture description & visualization:

- What key formalisms, ADL's and visual languages, for design of embedded systems are there and what are the trends?
- What is the maturity (languages, tools) and industrial adoption of such formalisms?
- What are the key outstanding research issues to pave way for larger scale industrial adoption?

WARM 2010 April 12th, 2010 Stockholm, Sweden (within CPS Week) http://www.artist-embedded.org/artist/-WARM-2010-.html

arturt

•

 The focus of WARM is software-based approaches to adaptive resource management for soft or adaptive embedded realtime applications, e.g., multimedia applications or non-safety critical control applications. Special emphasis will be given to multi-resource management, in particular including CPU time and power consumption. Special emphasis will also be given to multi-core platforms.



(5/5)

eartist ARTIST Summer School in Europe 2010



Graduate Courses in Y3

ARTIST Graduate School on RT Kernels for Microcontrollers June 14-18, 2010 Scuola Superiore Sant'Anna - Pisa, Italy http://www.artist-embedded.org/artist/-ARTIST-Graduate-School-on-RT-.html

The course had two main objectives:

- Introducing the most important concepts and methodologies used to develop a real-time embedded system, including fundamentals of realtime scheduling, control and distributed systems;
- Showing how to apply these concepts in practice, using an embedded platform and a real-time operating system to developed simple control applications and make experience with wireless sensor networks.



recurring in Y4

Graduate Courses in Y3

artirt

- ARTIST Graduate Course: Automated Formal Methods for Embedded Systems – 2010 June 14-22, 2010 DTU - Lyngby, Denmark <u>http://www.artist-embedded.org/artist/-ARTIST-Graduate-Course-Automated,</u> 1182-.html
- In the lectures, we introduced a comprehensive set of state-based models as well as automatic procedures for their analysis. The exercise classes complemented this by providing hands-on experience with appropriate verification tools.



recurring in Y4

Graduate Courses in Y3

artin

- Quantitative Model Checking 2010
 March 2-5, 2010 IT University Copenhagen, Denmark http://www.artist-embedded.org/artist/-Quantitative-Model-Checking-2010-.html
- The PhD school on quantivative model checking, QMC 2010, is organized by the European Network of Excellence ARTIST Design and the Danish VKR Center of Excellence MT-LAB and takes place at the IT University Copenhagen from 2 to 5 March 2010. It features lectures and other activities by worldrenowned experts within the areas of real-time, probabilistic, and hybrid model checking.



ARTIST Workshops planned in 2011 (subset) (1/4)

• PPES 2011

artırt

March 18th, 2011 Grenoble, France (within DATE)

The PPES workshop is concerned with critical hard real-time systems that have to satisfy both efficiency and predictability requirements. For example, an electronic controller for a safety-critical system in an automobile needs to react not only correctly to external inputs such as rapid deceleration or loss of grip, but also provably within a given time-span. Although there exist techniques to accurately predict the worst-case execution time of critical embedded systems for complex microprocessors, the current approaches will not scale to future systems. The trend of integrating multiple functions on a single control unit or to use multi-core systems with shared resources saves costs, but introduces lots of interferences between tasks and components.



ARTIST Workshops planned in 2011 (subset)^(2/4)

MoBE-RTES 2011

опил

March 28th, 2011 Newport Beach, California The MoBE-RTES workshop is based on the premise that successful development of complex real-time and embedded systems necessarily requires careful architectural design and that this, in turn, involves the extensive use of models, modelling tools, and modelbased development methods. Consequently, the focus of the workshop is on contributions that describe theoretical and/or empirical advances in model-based engineering of RTES.

Rigorous Embedded Design 2011

April 10th, 2011 Salzburg, Austria (within EuroSys 2011)April 10th, 2011 The objective of the workshop is to discuss new methodologies for the rigorous design of embedded systems. Through a series of invited talks, the workshop will survey some of the challenges and emerging approaches in the area. A series of design flows will be presented. The workshop will mainly discuss performance analysis, correctness (high confidence and security), code generation, and modeling aspects (including timed scheduling and software/hardware interactions). Those concepts shall be illustrated with examples coming from the aeronautic, automotive, and robotic areas. Interactions between industrials and academic researchers will be facilitated through a series of open discussion sessions (maybe an interaction between theoretical and more practical presentations).

SEVENTH FRAME

ARTIST Workshops planned in 2011 (subset) (3/4)

• GREEMBED 2011

April 11th, 2011 Chicago, USA (within CPS Week 2011)

Second Workshop on Green and Smart Embedded System Technology: Infrastructures, Methods and Tools.

Efficient production, transmission, distribution and use of energy is a fundamental requirement for our modern society and its economy.

Most systems for monitoring and control of energy production, distribution and use are today interconnected and controlled by embedded devices. This offers the opportunity for the creation of new integrated systems offering new products, processes and services with greater efficiency and better situation awareness to end-users and service and infrastructure owners.



ARTIST Workshops planned in 2011 (subset) (4/4)

• IRTAW-15

artırt

September 14-16, 2011 Liébana (Cantabria), Spain The 15th International Real-Time Ada Workshop (IRTAW-15) will take place on September 14-16 of 2011 in Liébana (Cantabria), Spain, a nice mountain area by the "Picos de Europa" National Park.

• JTRES - 2011

September 26-28, 2011 Kings Manor, York, England Interest in real-time Java in both the research community and industry has recently increased significantly, because of its challenges and its potential impact on the development of embedded and real-time applications. The goal of the proposed workshop is to gather researchers working on real-time and embedded Java to identify the challenging problems that still need to be solved in order to assure the success of real-time Java as a technology, and to report results and experiences gained by researchers.



Organized with ARTIST Partners in Y3

rin

• CRTS 2010	November 30th, 2010
• RoSym 2010	October 5th, 2010
• MPM'10	October 3-8, 2010
 Modeling Wizards 2010 	September 30th - October 2nd 2010
• SIES 2010	July 7-9, 2010
Waters 2010	July 6th, 2010
• SCOPES 2010	June 28-29, 2010
• COESD 2010	June 15th, 2010
• ICE'10	June 10th, 2010
• ECRTS'10	June 6-9, 2010
MoBE-RTES 2010	May 4th, 2010
 EuroSys 2010 	April 13-16, 2010
CPS Week 2010	April 12-16, 2010
• UML&AADL'2010	March 24th, 2010
 1st AVACS Spring School 	March 15-19, 2010



artist

Artist Web Portal

out the sign NoE	ArtistDesign Research Topics	Hot Topics	Schools & Seminars	
ew of the NoE	Modeling and Validation	Smart and Efficient Energy Council (SEEC'2009)	1st AVACS Spring School March 15-19, 2010	
	 SW Synthesis, Code Generation and Timing Analysis 	PRESS RELEASE		SEVE
gramme of Activities	Operating Systems and Networks	WCET Special Issue	WS & Conferences	1.000
	 Hardware Platforms and MPSoC Design 	 Guide to Embedded Systems Concepts Common Technical Baseline 	 UML&AADL'2010 March 24th, 2010 	· · · ·
sign Core Partners	 Intercluster activity: Design for Adaptivity 	Common recrimical baseline	CPS Week 2010 April 12-16, 2010	-
s	 Intercluster activity: Design for Predictability and Performance 		GREEMBED 2010 April 12th, 2010	Subscr
		ACM SIGBED	• FESA 2010 April 12th, 2010	• ARTIS
	Upcoming Artist Events	ACM Special Interest Group on Embedded Systems	• WARM 2010 April 12th, 2010	
Collaboration	 UML&AADL'2010 March 24th, 2010 	• Publications	• EuroSys 2010 April 13-16, 2010	
jects	 CPS Week 2010 April 12-16, 2010 	Events Membership	MoBE-RTES 2010 May 4th, 2010	
	 GREEMBED 2010 April 12th, 2010 	6 Membership	• ECRTS'10 June 6-9, 2010	
n Affiliated Partner	 FESA 2010 April 12th, 2010 WARM 2010 April 12th, 2010 		 ICE'10 June 10th, 2010 	
	 EuroSys 2010 April 13-16, 2010 	Other ES Links	SCOPES 2010 June 28-29, 2010	
	 SCOPES 2010 June 28-29, 2010 	Journals	Mapping Applications to MPSoCs 2010 June 29-30, 2010	
	Mapping Applications to MPSoCs 2010 June 29-30, 2010	Conferences	• WCET 2010 July 6th, 2010	
	 WCET 2010 July 6th, 2010 OSPERT 2010 July 6th, 2010 	Hot Topics	OSPERT 2010 July 6th, 2010	
	• OSPERT 2010 July 601, 2010	Standards	 SIES 2010 July 7-9, 2010 	
e Artist2 NoE 🚅		Tools and Platforms Main Projects	DSD 2010 - 13th Euromicro September 1-3, 2010	
	ARTEMIS / ARTEMISIA	Position Papers	 ICT 2010 September 27-29, 2010 	
Objectives	ARTEMIS European Technology Platform	Roadmaps		
Jouros	Strategic Research Agenda	Newsletters and Magazines		
	ARTEMISIA Industrial Association	Mainstream Press Announcements		
ramme of Activities		Publications		
ore Partners				
and Integration		Past Events		
ps	Organised by Artist	Sponsored by Artist	Organised with Artist Partners	
	 UML&FM'2009 December 8th, 2009 	NWPT '09 October 14-16, 2009	 CODES+ISSS 2009 October 15-16, 2009 	
I Collaboration	 WESH 2009 December 7th, 2009 	 ESWeek 2009 October 11-16, 2009 	 RePP 2009 October 15th, 2009 	
conaboration				
2012	 CRTS 2009 December 1st, 2009 	 CAV 2009 June 26th - July 2nd 2009 	NWPT '09 October 14-16, 2009	
Art	 WSS'09 October 16th, 2009 	CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009	NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009	
	WSS'09 October 16th, 2009 WESE'09 October 15th, 2009	CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES)	NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009	
ojects	WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009	CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009	NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009	
e Art rojects ns from the Final	WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009	CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeSID 2009 April 16th, 2009	NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Muttiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 1-3, 2009	
ojects	WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009	CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeBID 2009 April 40th, 2009 FeBID 2009 April 13-15, 2009	NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 ECRTS 2009 July 1-3, 2009 LCTES'09 June 19-20, 2009	
ojects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 8-9, 2009 	 CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeBID 2009 April 20-24, 2009 FeBID 2009 April 120-24, 2009 FACC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 	NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 1-3, 2009 LCTES'09 June 19-20, 2009 UML&AADL'2009 June 2nd, 2009	
ojects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 8-9, 2009 IRTAW-14 October 7-9, 2009 	CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeBID 2009 April 40th, 2009 FeBID 2009 April 13-15, 2009	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 1-3, 2009 LCTES'09 June 19-20, 2009 UML&AADL'2009 June 2nd, 2009 SCOPES 2009 April 23-24, 2009 	
ojects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 8-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{MB} 2009 October 6th, 2009 	CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeBID 2009 April 40-24, 2009 FeC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 EmSoft'07 October 1-3, 2007 Embedded Systems Week 2007 September 30th - October 5th 2007	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 ECRTS '05 June 19-20, 2009 UML&AADL'2009 June 2nd, 2009 SCOPES 2009 April 23-24, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 	
ojects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 8-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{MB} 2009 October 6th, 2009 VVPS 2009 September 19-20, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 	CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 78.16, 2009 HSCC 2009 April 78.16, 2009 HSCC 2009 April 73-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 EmSoft'07 October 1-3, 2007 Embedded Systems Week 2007 September 30th - October 5th 2007 EFSD 2007 September 10-14, 2007	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 1-3, 2009 LCTES'09 June 19-20, 2009 UML&AADL'2009 June 2nd, 2009 SCOPES 2009 April 23-24, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 	
ojects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 8-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{ME} 2009 October 6th, 2009 VVPS 2009 September 19-20, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST School in South America 2009: Embedded Systems 	 CAV 2009 June 26th - July 2nd 2009 UML & AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeBL 2009 April 16th, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 EmSoft'07 October 1-3, 2007 Embedded Systems Week 2007 September 30th - October 5th 2007 EPSD 2007 September 90-15, 2007 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 LCTES'09 June 19-20, 2009 UML&AADL'2009 June 19-20, 2009 SCOPES 2009 April 23-24, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 26-24, 2009 FeBID 2009 April 16th, 2009 	
ojects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 8-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{ME} 2009 October 6th, 2009 VVPS 2009 October 6th, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST School in South America 2009: Embedded Systems Design August 3-7, 2009 	 CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeeliD 2009 April 13-15, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 Embedded Systems Week 2007 September 30th - October 5th 2007 EPSD 2007 September 9-15, 2007 UML&AADL'2007 July 14th, 2007 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 ECRTS 2009 July 1-3, 2009 UML&AADL'2009 June 2nd, 2009 SCOPES 2009 April 23-24, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeBID 2009 April 20-24, 2009 Cyber Physical Systems Week 2009 April 13-16, 2009 	
ects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 8-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{ME} 2009 October 6th, 2009 VVPS 2009 September 19-20, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST School in South America 2009: Embedded Systems 	 CAV 2009 June 26th - July 2nd 2009 UML & AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 16th, 2009 FeBL 2009 April 16th, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 Embedded Systems Week 2007 September 30th - October 5th 2007 EPSD 2007 September 10-14, 2007 FOSAD 2007 September 9-15, 2007 UML & AADL'2007 July 14th, 2007 CAV 2007 July 3-7, 2007 FM6ALS'2007 May 29th, 2007 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 LCTES'09 June 19-20, 2009 UML&AADL'2009 June 2nd, 2009 SCOPES 2009 April 23-24, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeBID 2009 April 16th, 2009 Cyber Physical Systems Week 2009 April 13-16, 2009 HSCC 2009 April 3-15, 2009 CiberMouse@RTSS2008 November 30th, 2008 	
ects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 8-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{MB} 2009 October 6th, 2009 VVPS 2009 September 19-20, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST Summer School in China 2009 July 19-24, 2009 	 CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeBID 2009 April 16th, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 Embedded Systems Week 2007 September 30th - October 5th 2007 EPSD 2007 September 10-14, 2007 FOSAD 2007 September 10-14, 2007 CAV 2007 July 14th, 2007 CAV 2007 July 3-7, 2007 FMGALS'2007 May 29th, 2007 SCOPES 2007 April 20th, 2007 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 UML&AADL'2009 June 19-20, 2009 UML&AADL'2009 June 2nd, 2009 SCOPES 2009 April 23-24, 2009 DDT for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 Cyber Physical Systems Week 2009 April 13-16, 2009 HSCC 2009 April 13-15, 2009 Ciber Mouse@RTSS2008 November 30th, 2008 ESWEEK 2008 October 19-24, 2008 	
ects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 7-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{MB} 2009 October 6th, 2009 VVPS 2009 September 19-20, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST Summer School in China 2009: Embedded Systems Design August 3-7, 2009 ARTIST Summer School in China 2009 July 19-24, 2009 WCET 2009 June 30th, 2009 OSPERT 2009 June 30th, 2009 Mapping Applications to MPSoCs 2009 June 29-30, 2009 	 CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 Fe&ID 2009 April 18th, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 Embedded Systems Week 2007 September 30th - October 5th 2007 Embedded Systems Week 2007 September 30th - October 5th 2007 FOSAD 2007 September 10-14, 2007 FOSAD 2007 September 9-15, 2007 UML&AADL'2007 July 3-7, 2007 FMGALS'2007 May 28th, 2007 SCOPES 2007 April 20th, 2007 HSCC'07 April 3-5, 2007 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Muttiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 LCTES'09 June 19-20, 2009 UML&AADL'2009 June 2nd, 2009 SCOPES 2009 April 23-24, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 FGEID 2009 April 26:4, 2009 FGBID 2009 April 16th, 2009 Cyber Physical Systems Week 2009 April 13-16, 2009 HSCC 2009 April 13-15, 2009 CiberMouse@RTSS2008 November 30th, 2008 ESWEEK 2008 October 19-24, 2008 RNTS'08 October 16-17, 2008 	
ects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 7-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{MB} 2009 October 6th, 2009 VVPS 2009 September 19-20, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST School in South America 2009: Embedded Systems Design August 3-7, 2009 ARTIST Summer School in China 2009 July 19-24, 2009 WCET 2009 June 30th, 2009 OSPERT 2009 June 30th, 2009 Mapping Applications to MPSoCs 2009 June 29-30, 2009 Runtime Verification 2009 June 26-28, 2009 	 CAV 2009 June 26th - July 2nd 2009 UML & AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 16th, 2009 FeBL 2009 April 13-15, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 Embedded Systems Week 2007 September 30th - October 5th 2007 FOSAD 2007 September 10-14, 2007 FOSAD 2007 September 10-14, 2007 FOSAD 2007 September 19-15, 2007 UML & AADL'2007 July 14th, 2007 CAV 2007 July 3-7, 2007 FMGALS'2007 May 29th, 2007 SCOPES 2007 April 32th, 2007 SLA++P 2007 March 31st, 2007 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 1-3, 2009 LCTES'09 June 19-20, 2009 UML&AADL'2009 June 2nd, 2009 SCOPES 2009 April 23-24, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeBID 2009 April 16th, 2009 Cyber Physical Systems Week 2009 April 13-16, 2009 HSCC 2009 April 13-15, 2009 CiberMouse@RTSS2008 November 30th, 2008 ESWEEK 2008 October 19-24, 2008 RNTS'08 October 16-17, 2008 ECRTS 2008 July 2-4, 2008 	
ects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 8-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{ME} 2009 October 6th, 2009 VVPS 2009 October 6th, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST School in South America 2009: Embedded Systems Design August 3-7, 2009 ARTIST Summer School in China 2009 July 19-24, 2009 WCET 2009 June 30th, 2009 OSPERT 2009 June 30th, 2009 Mapping Applications to MPSoCs 2009 June 29-30, 2009 Runtime Verification 2009 June 26-28, 2009 ArtistDesign NoE - Embedded Systems Seminar June 18-19, 2009 	 CAV 2009 June 26th - July 2nd 2009 UML.&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeBID 2009 April 16th, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 Embedded Systems Week 2007 September 30th - October 5th 2007 EPSD 2007 September 9-15, 2007 UML.&AADL'2007 July 14th, 2007 CAV 2007 July 3-7, 2007 FMGALS'2007 May 29th, 2007 SCOPES 2007 April 30th, 2007 SCOPES 2007 April 30th, 2007 SLA++P 2007 March 31st, 2007 ARCS 2007 March 31st, 2007 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SAES 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 UML&AADL'2009 June 19-20, 2009 UML&AADL'2009 June 27.d, 2009 SCOPES 2009 April 23-24, 2009 DDT for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 Cyber Physical Systems Week 2009 April 13-16, 2009 HSCC 2009 April 13-15, 2009 Ciber Mouse@RTSS2008 November 30th, 2008 ESWEEK 2008 October 19-24, 2008 RNTS'08 October 16-17, 2008 ECRTS 2008 July 2-4, 2008 Ada-Europe'08 June 16-20, 2008 	
ects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 8-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{ME} 2009 October 6th, 2009 VVPS 2009 September 19-20, 2009 ARTIST Stondo In South America 2009: Embedded Systems Design August 3-7, 2009 ARTIST Stomer School in China 2009 July 19-24, 2009 WCET 2009 June 30th, 2009 OSPERT 2009 June 30th, 2009 Mapping Applications to MPSoCs 2009 June 29-30, 2009 ArtisDesign NoE - Embedded Systems Seminar June 18-19, 2009 ARTIST Graduate Course: Automated Formal Methods for Embedded Systems - 2009 June 17-25, 2009 	 CAV 2009 June 26th - July 2nd 2009 UML & AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 16th, 2009 FeBL 2009 April 13-15, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 Embedded Systems Week 2007 September 30th - October 5th 2007 FOSAD 2007 September 10-14, 2007 FOSAD 2007 September 10-14, 2007 FOSAD 2007 September 19-15, 2007 UML & AADL'2007 July 14th, 2007 CAV 2007 July 3-7, 2007 FMGALS'2007 May 29th, 2007 SCOPES 2007 April 32th, 2007 SLA++P 2007 March 31st, 2007 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 1-3, 2009 LCTES'09 June 19-20, 2009 UML&AADL'2009 June 2nd, 2009 SCOPES 2009 April 23-24, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 FeBID 2009 April 16th, 2009 Cyber Physical Systems Week 2009 April 13-16, 2009 HSCC 2009 April 13-15, 2009 CiberMouse@RTSS2008 November 30th, 2008 ESWEEK 2008 October 19-24, 2008 RNTS'08 October 16-17, 2008 ECRTS 2008 July 2-4, 2008 	
ects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 8-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{M5} 2009 October 6th, 2009 VVPS 2009 September 19-20, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST School in South America 2009: Embedded Systems Design August 3-7, 2009 ARTIST School in South America 2009: July 19-24, 2009 WCET 2009 June 30th, 2009 OSPERT 2009 June 30th, 2009 Mapping Applications to MPSoCs 2009 June 29-30, 2009 Runtime Verification 2009 June 26-28, 2009 ARTIST deduate Course: Automated Formal Methods for Embedded Systems - 2009 June 17-25, 2009 ARTIST Graduate Course on Embedded Control Systems 2009 	 CAV 2009 June 26th - July 2nd 2009 UML.&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 120-24, 2009 FeBID 2009 April 16th, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 Embedded Systems Week 2007 September 30th - October 5th 2007 ErSD 2007 September 90-15, 2007 UML.&AADL'2007 July 14th, 2007 CAV 2007 July 3-7, 2007 FMGALS'2007 May 29th, 2007 SCAPEP 2007 March 31st, 2007 SLA+FP 2007 March 31st, 2007 ARCS 2007 March 12-15, 2007 CASTNESS'07 Workshop and School January 15-17, 2007 Synchron 2006 November 27th - December 1st 2006 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SAES 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 ECRTS 2009 July 8-10, 2009 UML&AADL'2009 June 19-20, 2009 UML&AADL'2009 June 19-24, 2009 SCOPES 2009 April 23-24, 2009 DDT for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 13-16, 2009 Cyber Physical Systems Week 2009 April 13-16, 2009 HSCC 2009 April 13-15, 2009 CiberMouse@RTSS2008 November 30th, 2008 ESWEEK 2008 October 19-24, 2008 RNTS'08 October 16-17, 2008 Cyber Physical Systems Week 2008 April 21-24, 2008 Ada-Europe'08 June 16-20, 2008 Cyber Physical Systems Week 2008 April 21-24, 2008 DATE's 2008 June 16-20, 2008 Cyber Physical Systems Week 2008 April 21-24, 2008 DATE's 2008 June 16-20, 2008 Cyber Physical Systems Week 2008 April 21-24, 2008 DATE'08 March 10-14, 2008 CASTNESS 208 January 15-18, 2008 	
ects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 6th, 2009 IRTAW-14 October 7-9, 2009 ACES^{MB} 2009 October 6th, 2009 VVPS 2009 September 19-20, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST Summer School in China 2009 Suptember 7-11, 2009 ARTIST Summer School in China 2009 July 19-24, 2009 WCET 2009 June 30th, 2009 OSPERT 2009 June 30th, 2009 Mapping Applications to MPSoCs 2009 June 29-30, 2009 Runtime Verification 2009 June 26-28, 2009 ArtiST Graduate Course: Automated Formal Methods for Embedded Systems - 2009 June 17-25, 2009 ARTIST Graduate Course on Embedded Control Systems 2009 June 8-12, 2009 	 CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 Fe&ID 2009 April 18th, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 Embedded Systems Week 2007 September 30th - October 5th 2007 Embedded Systems Week 2007 September 30th - October 5th 2007 FOSAD 2007 September 10-14, 2007 FOSAD 2007 September 9-15, 2007 UML&AADL'2007 July 3-7, 2007 FMGALS'2007 May 28th, 2007 SCOPES 2007 April 20th, 2007 SLA++P 2007 March 31st, 2007 SLA++P 2007 March 31st, 2007 CASTNESS'07 Workshop and School January 15-17, 2007 CASTNESS'07 Workshop and School January 15-17, 2007 Synchron 2006 November 27th - December 1st 2006 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 1-3, 2009 LCTES'09 June 19-20, 2009 UML&AADL'2009 June 2nd, 2009 SCOPES 2009 April 23-24, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 FeBID 2009 April 16th, 2009 Cyber Physical Systems Week 2009 April 13-16, 2009 HSCC 2009 April 151, 5009 CiberMouse@RTSS2008 November 30th, 2008 ESWEEK 2008 October 19-24, 2008 RNTS'08 October 16-17, 2008 ECRTS 2008 July 2-4, 2008 Ada-Europe'08 June 16-20, 2008 Cyber Physical Systems Week 2008 April 21-24, 2008 DATE'08 March 10-14, 2008 CASTNESS 2008 January 15-18, 2008 RTSS 2007 December 3-6, 2007 	
cts	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 8-9, 2009 IRTAW-14 October 7-9, 2009 ACES^{ME} 2009 October 6th, 2009 VVPS 2009 September 19-20, 2009 ARTIST Stendo in South America 2009: Embedded Systems Design August 3-7, 2009 ARTIST Stendo in South America 2009: Embedded Systems Design August 3-7, 2009 ARTIST Stendo in South America 2009: July 19-24, 2009 WCET 2009 June 30th, 2009 OSPERT 2009 June 30th, 2009 Runime Verification 2009 June 28-28, 2009 ArtistDesign NoE - Embedded Systems Seminar June 18-19, 2009 ARTIST Graduate Course: Automated Formal Methods for Embedded Systems - 2009 June 17-25, 2009 ARTIST Graduate Course on Embedded Control Systems 2009 June 8-12, 2009 DySCAS 2009 February 18th, 2009 	 CAV 2009 June 26th - July 2nd 2009 UML & AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 16th, 2009 FeBL 2009 April 16th, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 18-17, 2008 DATE'08 March 10-14, 2008 Embedded Systems Week 2007 September 30th - October 5th 2007 ErbS 2007 September 10-14, 2007 FOSAD 2007 September 10-14, 2007 FOSAD 2007 September 10-14, 2007 FOSAD 2007 September 10-14, 2007 GAV 2007 July 14th, 2007 CAV 2007 July 3-7, 2007 FMGALS'2007 May 29th, 2007 SCOPES 2007 April 20th, 2007 SLA++P 2007 March 31st, 2007 ARCS 2007 Workshop and School January 15-17, 2007 CASTNESS'07 Workshop and School January 15-17, 2007 Synchron 2006 November 27th - December 1st 2006 JTRES 2006 October 11-13, 2006 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 1-3, 2009 LCTES'09 June 19-20, 2009 UML&AADL'2009 June Znd, 2009 SCOPES 2009 April 23-24, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 Cyber Physical Systems Week 2009 April 13-16, 2009 Cyber Coll 2014 13-15, 2009 CiberMouse@RTSS2008 November 30th, 2008 ESWEEK 2008 October 19-24, 2008 RNTS'108 October 16-17, 2008 Cyber Physical Systems Week 2008 April 21-24, 2008 Ada-Europe'08 June 16-20, 2008 Cyber Physical Systems Week 2008 April 21-24, 2008 DATE'08 March 10-14, 2008 CASTNESS 2008 January 15-18, 2008 RTSS 2007 December 3-6, 2007 FORMATS'07 October 3-5, 2007 	
ojects	 WSS'09 October 16th, 2009 WESE'09 October 15th, 2009 RePP 2009 October 15th, 2009 WFCD - Foundations and Applications of Component-based Design 2009 October 11th, 2009 APRES'09 October 11th, 2009 SEEC'09 October 6th, 2009 IRTAW-14 October 7-9, 2009 ACES^{MB} 2009 October 6th, 2009 VPS 2009 September 19-20, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST Summer School in Europe 2009 September 7-11, 2009 ARTIST Summer School in China 2009 July 19-24, 2009 WCET 2009 June 30th, 2009 OSPERT 2009 June 30th, 2009 Mapping Applications to MPSoCs 2009 June 29-30, 2009 Runtime Verification 2009 June 26-28, 2009 ArtiST Graduate Course: Automated Formal Methods for Embedded Systems - 2009 June 17-25, 2009 ARTIST Graduate Course on Embedded Control Systems 2009 June 8-12, 2009 	 CAV 2009 June 26th - July 2nd 2009 UML&AADL'2009 June 2nd, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 DATE 2009 April 20-24, 2009 Fe&ID 2009 April 18th, 2009 HSCC 2009 April 13-15, 2009 RNTS'08 October 16-17, 2008 DATE'08 March 10-14, 2008 Embedded Systems Week 2007 September 30th - October 5th 2007 Embedded Systems Week 2007 September 30th - October 5th 2007 FOSAD 2007 September 10-14, 2007 FOSAD 2007 September 9-15, 2007 UML&AADL'2007 July 3-7, 2007 FMGALS'2007 May 28th, 2007 SCOPES 2007 April 20th, 2007 SLA++P 2007 March 31st, 2007 SLA++P 2007 March 31st, 2007 CASTNESS'07 Workshop and School January 15-17, 2007 CASTNESS'07 Workshop and School January 15-17, 2007 Synchron 2006 November 27th - December 1st 2006 	 NWPT '09 October 14-16, 2009 ESWeek 2009 October 11-16, 2009 Multiparadigm Modeling 2009 October 4-9, 2009 SAMOS IX July 20th - January 23rd 2009 SIES 2009 July 8-10, 2009 ECRTS 2009 July 1-3, 2009 LCTES'09 June 19-20, 2009 UML&AADL'2009 June 2nd, 2009 SCOPES 2009 April 23-24, 2009 MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009 FeBID 2009 April 16th, 2009 Cyber Physical Systems Week 2009 April 13-16, 2009 HSCC 2009 April 151, 5009 CiberMouse@RTSS2008 November 30th, 2008 ESWEEK 2008 October 19-24, 2008 RNTS'08 October 16-17, 2008 ECRTS 2008 July 2-4, 2008 Ada-Europe'08 June 16-20, 2008 Cyber Physical Systems Week 2008 April 21-24, 2008 DATE'08 March 10-14, 2008 CASTNESS 2008 January 15-18, 2008 RTSS 2007 December 3-6, 2007 	

- Embedded Systems: Industrial Applications '08 November 12-13, 2008
- WS on Multicores: Theory and Practice October 28th, 2008 UML&FM'08 October 27th, 2008
- WESE'08: WS on Embedded Systems Education.

- er 25-29, 2006 FOSAD 2006: 6th International School on Foundations of Security
- Analysis and Design September 10-16, 2006 Workshop: Distributed Embedded Systems November 21-24, 2005
- OSPERT 2005 July 5th, 2005
- · USCC 105 . Unbrid S stome: Computation and Control

search

- RTCSA 2007 August 21-24, 2007 • UML&AADL'2007 July 14th, 2007
- ECRTS 2007 July 4-6, 2007
- WCET'07 July 3rd, 2007

Web Portal - Features **Objective**

The ARTIST Web Portal is a major tool for Spreading Excellence within the Embedded Systems Community.

- The web portal disseminates information about contacts (core and affiliated partners). and web links about:
- partirte. Network of Excellence on Embedded Systems Desigr search 50 7 ~ ~ SLA++P'2008 Scores 2008 08 UML&AADL'200 SLA++P'2008 Organisers Topics Format Submission SI #++P'200/ Workshops Home Page April 5th, 2008 Budapest, Hungary - an ETAPS'08 event. organised and funded by Artist SIES'2008 Year3 Review ArtistDesign ast Workshor SLA++P'08 Model-driven High-level Programming of Embedded Systems ernational Collabo Subscriptions ADTIST Howeletter Overview ARTIST Mailing List ontributions to Standards Course Materials Available SLA++P is a workshop dedicated to synchronous languages and the model-driver bigh-level programming of reactive and embedded systems. Firmly grounded in clean mathematical semantics, synchronous languages are receiving increasing attention in industry ever since they emerged in the 80s. Lustre, Esterel, Signal are now widely and successfully used to program real-time and safety critical applications, from nuclear power plant management layer to Airbus air flight control systems. At the same time, iodel-based programming is making its way in other fields of software engineering, too, often involving cycle-based synchronous paradigms The purpose of the SLA++P workshop is to bring together researchers and practitioners who work in the field of languages and tools for the model-driven development of embedded applications both in hardware and software. The workshop is not limited to synchronous approaches but open to other engineering design approaches with strong semantical foundations providing a way to go from a high-level description to provable executable code

SEVENTH FRAMEWOR

- the JPA events and activities.
- a fairly thorough set of links to sites of interest to the embedded systems community

Vorkshon

- We regularly receive spontaneous requests for:
 - > adding information to the site
 - subscriptions to the Artist Mailing List
- Authorised users (principally, the ArtistDesign partners) can access the back end of the site to modify and update information directly. The changes are immediately visible on the site, which greatly streamlines the updating process.
- Ergonomics are set for the entire site. The "look and feel" of the site is always homogeneous throughout the site. It's possible to change these ergonomics, and these changes are applied homogeneously throughout the site, via automated mechanisms.

Common Technical Baseline

artist



