

Artist2 Final Review
Brussels, December 12th, 2008

Achievements and Perspectives :

Spreading Excellence

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Verimag

Overall Vision and Strategy

Overall objective is the emergence of Embedded Systems Design as a scientific discipline. This objective is pursued within the international scientific and industrial community.

This is implemented in 3 levels:

- **International Collaboration**
 - High-level meetings (NSF/IST),
 - International Schools
(eg: European school, China school, SouthAmerican school),
 - support for selected conferences (eg: Embedded Systems Week)
- **European level**
 - Direct organisation of top workshops and schools
 - Support for existing workshops, Artist and other schools
(eg: FOSAD) and conferences (eg: DATE)
 - Industrial Liaison
(ARTEMIS, triggering projects and promoting standards)
- **Affiliated Partners**
 - Direct involvement in the workprogramme (technical meetings).

Web Portal Newsletter
Mailing List





International Collaboration

The Artist2 Network of Excellence has always pursued an extremely active policy for organizing and funding International Collaboration events:

In *Year 4 alone*, we have had a very large number of International Collaboration events that we plan to pursue into the ArtistDesign NoE:

ARTIST2 South-American School for Embedded Systems 2008

August 25-29, 2008 Universidade Federal de Santa Catarina, Florianopolis, Brazil

Second edition of the ARTIST South American School.

ARTIST2 Summer School 2008 in Europe September 8-12, 2008 Autrans (near Grenoble), France

The Summer School offers a number of foundational tutorials, accompanied by a selection of lectures on exciting emerging technologies and industrial applications - given by leading scientific and/or industrial experts.

Artist2 Summer School in China 2008 July 12-18, 2008 Shanghai, China

ARTIST2 has organized the 3rd edition of a school on Embedded Systems Design in Shanghai. This year, the school was organized in collaboration with the SEI/ECNU and the LIAMA.

ARTIST2 meeting on Integrated Modular Avionics November 12-13, 2007 Roma, Italy

Integrated Modular Avionics (IMA) has set the principles of standardized components and interfaces of hardware and software in aircraft, applied for the first time in the development of the Airbus A380.

Workshop on Embedded Systems Education (WESE 2007) October 4-5, 2007 Salzburg

This third edition aims to bring researchers, educators, and industrial representatives together to assess needs and share design, research, and experiences in embedded systems education.

Foundations of Component-based Design

September 30th, 2007 Salzburg, Austria - within [EmSoft](#) / [ES Week](#)

Artist2 organised and funded this event, within [Embedded Systems Week](#).





Education: WESE Workshops

ArtistDesign:

- **WESE'08: WS on Embedded Systems Education October 23rd, 2008 Atlanta, Georgia - USA (in ESWEEK)**
As embedded system designs grow more complex and the time to market diminishes, quality embedded systems education becomes more and more important. This fourth 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.

Artist2:

- **WESE'07: WS on Embedded Systems Education October 4-5, 2007 Salzburg, Austria (within ES Week)**
This third 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.
- **WESE'06 - Embedded Systems Education October 26th, 2006 Seoul, Korea**
This second 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.
- **WESE'05 - WS on Embedded Systems Education September 22nd, 2005 Jersey City – USA**
This first workshop on Embedded Systems Education aims to bring researchers, educators, and industrial representatives together to assess needs and share design, research, and education experiences in embedded systems.
- **ACM - Special Issue on Education**
This special issue of the ACM Transactions in Embedded Computing Systems aims to provide the basis for integrated undergraduate and graduate curricula covering the essential areas of knowledge for tomorrow's embedded systems engineers and researchers. Guest Editors Alan Burns Alberto Sangiovanni-Vincentelli - UC Berkeley

and back in Artist FP5:

- **Artist International Collaboration Days 2003 - Education October 11th 2003 – Philadelphia**
This was an open meeting to discuss important action lines in the area of Embedded Systems - in which strong synergy between international teams had the greatest benefits. Work over the first year had concentrated on discussion between top researchers in the field, summarized in white papers that were presented and discussed here.
- **Artist FP5 Guidelines for a Graduate Curriculum on Embedded (publication)**
The design of real-time embedded systems requires skills from three specific disciplines: control theory, computer science, and electronic engineering, and their combination. This often involves experts from differing backgrounds, who do not recognize that they address different issues from complementary angles.

Artist2 PhD Schools in Y4

Real-Time Kernels for Microcontrollers: Theory and Practice June 23-25, 2008 Pisa
The course on Real-Time Kernels for Microcontrollers aims to introduce the basic concepts of Real-time Systems targeted to Embedded Systems, which are often implemented using microcontrollers. The course will briefly illustrate the theoretical background of real-time scheduling, resource-aware techniques, and wireless communication based upon the IEEE 802.15.4 protocol.

ARTIST2 Graduate Course on: Automated Formal Methods for Embedded Systems 2008
June 16-24, 2008 DTU - Lyngby, Denmark
In the lectures, we will introduce a comprehensive set of state-based models as well as automatic procedures for their analysis. The exercise classes will complement this by providing hands-on experience with appropriate verification tools.

ARTIST2 Graduate Course on Embedded Control Systems May 26-30, 2008 Stockholm
The course provides an account of state of the art theory and techniques that address the connection and integration of the areas of Control systems and Embedded systems.



Other Schools Partially Funded or organized with Artist2 partners

CASTNESS 2008

organised with Artist partners

January 15-18, 2008 Roma, Italy

EPSD 2007

sponsored by Artist

September 10-14, 2007 EPFL, Lausanne, Switzerland

Advanced engineering courses will be offered by the Swiss Federal Institute of Technology, Lausanne, Switzerland, during summer period 2007.

FOSAD 2007

sponsored by Artist

September 9-15, 2007 Bertinoro, Italy

The International School on Foundations of Security Analysis and Design (FOSAD) has been one of the foremost events established with the goal of disseminating knowledge in this critical area. The main aim of the FOSAD school is to offer a good spectrum of current research in foundations of security - ranging from programming languages to analysis of protocols, from cryptographic algorithms to access control policies and trust management - that can be of help for graduate students and young researchers from academia or industry that intend to approach the field.

LASER Summer School on Software Engineering

September 9-15, 2007 Elba, Italy

the LASER summer school (Laboratory for Applied Software Engineering Research), organized by ETH Zurich, brings together the concepts and practice of software engineering.





Course Materials

- **ARTIST2 Summer School 2008 in Europe** *September 8-12, 2008* Autrans (near Grenoble), France
- **ARTIST2 South-American School for Embedded Systems 2008**
August 25-29, 2008 Universidade Federal de Santa Catarina, Florianopolis, Brazil
- **Artist2 Summer School in China 2008** *July 12-18, 2008* Shanghai, China
- **Real-Time Kernels for Microcontrollers: Theory and Practice** *June 23-25, 2008* Pisa, Italy
- **ARTIST2 Graduate Course on Embedded Control Systems** *May 26-30, 2008* Stockholm, Sweden
- **LASER Summer School on Software Engineering** *September 9-15, 2007* Elba, Italy
- **FOSAD 2007** *September 9-15, 2007* Bertinoro, Italy
- **First European-SouthAmerican School for Embedded Systems**
August 21-24, 2007 Universidad Argentina de la Empresa (UADE), Buenos Aires – Argentina
- **Artist2 / UNU-IIST School in China - 2007** *August 1-10, 2007* Suzhou (near Shanghai), China
- **ARTIST2 PhD Course on: Automated Formal Methods for Embedded Systems** *June 4-12, 2007* DTU - Lyngby, Denmark
- **ARTIST2 Graduate Course on Embedded Control Systems** *May 7-11, 2007* Lund, Sweden
- **Real-Time Microcontroller Systems: OSEK Standard and experiments on μ controller devices**
March 26-28, 2007 RETIS Laboratory, Scuola Superiore Sant'Anna, Pisa, Italy
- **Seminar on Quantitative Aspects of Embedded Systems Schloss Dagstuhl 2007**
March 4 - 9, 2007 Schloss Dagstuhl, Germany
- **ARTIST2 - MOTIVES** *February 19-23, 2007* Trento, Italy
- **CASTNESS'07 Workshop and School** *January 15-17, 2007* Rome, Italy
- **Real-Time and Control for Embedded Systems** *July 10-14, 2006* Pisa, Italy
- **ADSD 2006: Advanced Digital Systems Design** *September 25-29, 2006* Lausanne, Switzerland
- **LASER Summer School on Software Engineering 2006** *September 17 - 23, 2006* Elba, Italy
- **Foundations of Security Analysis and Design** *September 10-16, 2006* Bertinoro, Italy
- **Model-Driven Design for Distributed Real-time Embedded Systems (MDD4DRES)** *September 4-8, 2006* Brest, France
- **First European Laboratory on Real-Time and Control for Embedded Systems** *July 10-14, 2006* Pisa, Italy
- **ARTIST2 Graduate Course on Embedded Control Systems** *April 3-7, 2006* Prague, Czech Republic
- **ARTIST2 / UNU-IIST Spring School in China 2006** *April 3-15, 2006* Xi'an, China
- **ARTIST2 Summer School 2005** *September 29 - October 2, 2005* Nässlingen, Sweden
- **Embedded System Design: A Unified Hardware/Software Introduction**
Published: 2002 - Authors: Frank Vahid and Tony Givargis





Conferences Organized with Artist2 Partners

ECRTS 2008

organised with Artist partners July 2-4, 2008 Prague, Czech Republic
20th anniversary edition of Euromicro conference on real-time systems

Ada-Europe'08 *organised with Artist partners* *June 16-20, 2008* *Venice, Italy*

Cyber Physical Systems Week 2008 *April 2008 St Louis, organised w/ Artist partners*

Three leading conferences - [RTAS](#), [IPSN](#) and [HSCC](#) - will take place at the same time and location during the CPS week.

RTSS 2007 *organised with Artist partners* *December 3-6, 2007* *Tucson, Arizona, USA*

RTSS remains the premier conference in the area of real-time computing, presenting innovations in the field with respect to theory and practice.

FORMATS'07 *organised with Artist partners* *October 3-5, 2007* *Salzburg, Austria*

The aim of FORMATS is to promote the study of fundamental and practical aspects of timed systems, and to bring together researchers from different disciplines that share interests in modelling and analysis of timed systems.

EmSoft'07 *sponsored by Artist* *organised w/Artist partners*

October 1-3, 2007 *Salzburg, Austria*

EMSOFT aims at covering all aspects of embedded software with focus on principles of embedded software development.





Sponsoring for selected conferences

DATE'08 *sponsored by Artist*

March 10-14, 2008 Munich, Germany

Originally in the area of design automation, the DATE conference and exhibition has developed a very active embedded software track with 13 sessions on software topics and 2 special days on automotive and on dependable systems in 2008.

EmSoft'07 *sponsored by Artist organised w/Artist partners*

October 1-3, 2007 Salzburg, Austria

EMSOFT aims at covering all aspects of embedded software with focus on principles of embedded software development.

Embedded Systems Week 2007 *sponsored by Artist*

Sept 30th - Oct 5th 2007 Salzburg, Austria

Embedded Systems Week brings together conferences, tutorials and workshops centered on various aspects of embedded systems research and development.





Artist2 labeled / sponsored Workshops (1/4)

- . Embedded Systems: Industrial Applications '08 *November 12-13, 2008*
- . UML&FM'08 *October 27th, 2008*
- . WESE'08: WS on Embedded Systems Education *October 23rd, 2008*
- . Workshop on Foundations and Applications of Component-based Design (WFCD'2008) *October 19th, 2008*
- . RNTS'08 *October 16-17, 2008*
- . ACESMB 2008 *September 29th, 2008*
- . ARTIST2 Summer School 2008 in Europe *September 8-12, 2008*
- . ARTIST2 South-American School for Embedded Systems 2008 *August 25-29, 2008*
- . Artist2 Summer School in China 2008 *July 12-18, 2008*
- . MoCC 2008 *July 3-4, 2008*
- . WCET'08 *July 1st, 2008*
- . OSPERT 2008 *July 1st, 2008*
- . MPSoc 2008 *June 23-27, 2008*
- . Movep'08 *June 23-27, 2008*
- . Real-Time Kernels for Microcontrollers: Theory and Practice *June 23-25, 2008*
- . COMES 2008 *June 17-18, 2008*
- . Mapping of Applications to MPSoCs *June 16-17, 2008*
- . ARTIST2 Graduate Course on: Automated Formal Methods for Embedded Systems 2008 *June 16-24, 2008*
- . ARTIST2 Graduate Course on Embedded Control Systems *May 26-30, 2008*
- . ArtistDesign Workshop on Design for Adaptivity *May 13-14, 2008*
- . DataFlow Modeling for Embedded Systems 2008 *May 5th, 2008*





Artist2 labeled / sponsored Workshops (2/4)

- . APRES'08 April 21st, 2008
- . SLA++P'2008 April 5th, 2008
- . UML&AADL'2008 April 2nd, 2008
- . Scopes 2008 March 13-14, 2008
- . ARTIST2 Timing Analysis activity meeting 2008 March 13th, 2008
- . ArtistDesign Automotive Systems Day 2008 March 12th, 2008
- . ATESSST Open Workshop March 3rd, 2008
- . Synchron 2007 November 26-30, 2007
- . ARTIST2 meeting on Integrated Modular Avionics November 12-13, 2007
- . WESE'07: WS on Embedded Systems Education October 4-5, 2007
- . EmSoft'07 October 1-3, 2007
- . Embedded Systems Week 2007 September 30th - October 5th 2007
- . Foundations of Component-based Design September 30th, 2007
- . Between Control and Software (in honor of Paul Caspi) September 28th, 2007
- . EPSD 2007 September 10-14, 2007
- . FOSAD 2007 September 9-15, 2007
- . First European-SouthAmerican School for Embedded Systems August 21-24, 2007
- . Artist2 / UNU-IIST School in China - 2007 August 1-10, 2007
- . UML&AADL'2007 July 14th, 2007
- . FCC 2007 July 4-5, 2007
- . CAV 2007 July 3-7, 2007 Berlin, Germany



Artist2 labeled / sponsored Workshops (3/4)

- . ARTIST WS: Tool Platforms for ES Modelling, Analysis and Validation July 1-2, 2007
- . ARTIST2 PhD Course on: Automated Formal Methods for Embedded Systems June 4-12, 2007
- . 2nd Int'l ARTIST Workshop on Control for Embedded Systems May 31st - June 1st 2007
- . FMGALS'2007 May 29th, 2007
- . ARTIST2 Graduate Course on Embedded Control Systems May 7-11, 2007
- . SCOPES 2007 April 20th, 2007
- . Towards a Systematic Approach to Embedded System Design April 20th, 2007
- . IRTAW-13 April 17-19, 2007
- . HSCC'07 April 3-5, 2007
- . NeRES 2007 April 2nd, 2007
- . SLA++P 2007 March 31st, 2007
- . Real-Time Microcontroller Systems: OSEK Standard and experiments on μ controller devices March 26-28, 2007
- . ARCS 2007 March 12-15, 2007
- . ARTIST2 - MOTIVES 2007 February 19-23, 2007
- . CASTNESS'07 Workshop and School January 15-17, 2007
- . CASTNESS'07 Workshop and School January 15-17, 2007
- . ARTIST2 Workshop on Basic Concepts in Mobile Embedded Systems December 4-5, 2006
- . Synchron 2006 November 27th - December 1st 2006
- . ARTIST2 Workshop on Timing Analysis in the Industrial Development Process (ISoLA 2006) November 17th, 2006



Artist2 labeled / sponsored Workshops (4/4)

- . MoCC - Models of Computation and Communication November 16-17, 2006
- . Artist2 - Foundations and Applications of Component-based Design October 26th, 2006
- . WESE'06 - Embedded Systems Education October 26th, 2006
- . ATVA China 2006 October 23-26, 2006
- . ATVA China 2006 October 23-26, 2006
- . JTRES 2006 October 11-13, 2006
- . MARTES 2006 October 2nd, 2006
- . ADSD 2006: Advanced Digital Systems Design September 25-29, 2006
- . FOSAD 2006: 6th International School on Foundations of Security Analysis and Design September 10-16, 2006
- . First European Laboratory on Real-Time and Control for Embedded Systems July 10-14, 2006
- . CORDIE'06: Concurrency, Real-Time and Distribution in Eiffel-like Languages July 4-5, 2006
- . ARTIST2 Workshop on Requirements for Flexible Scheduling in Complex Embedded Systems June 16th, 2006
- . ARTIST2 Workshop on Execution Platforms / Cluster Meeting May 22-23, 2006
- . ARTIST2 Workshop on Specification and Verification of Secure Embedded Systems May 18th, 2006
- . ARTIST2 / UNU-IIST Spring School in China 2006 April 3-15, 2006
- . ARTIST2 Graduate Course on Embedded Control Systems April 3-7, 2006
- . ARTIST2 Workshop Beyond AutoSar March 23-24, 2006
- . ARTIST Workshop at DATE'06 March 10th, 2006
- . Workshop: Distributed Embedded Systems November 21-24, 2005
- . ARTIST2 Summer School 2005 September 29th - October 2nd 2005





Artist Web Portal

[Modify this section \(1\)](#) | [Refresh this page](#)

Network of Excellence
on Embedded Systems Design

[Ok](#)

[Home Page](#) | [Participants](#) | [Research and Integration](#) | [Dissemination](#) | [Embedded System Links](#) | [intranet](#)

About the Artist2 NoE

- Strategic Objectives
- Approach
- Joint Programme of Activities (JPA)
- Artist2 Core Partners
- Workshops
- Education
- International Collaboration
- State of the Art
- Related Projects
- Becoming an Affiliated Partner
- Site Map

Artist2 Research Topics

- Real-Time Components
- Adaptive Real-Time
- Compilers and Timing Analysis
- Execution Platforms
- Control for Embedded Systems
- Testing and Verification

ARTEMIS / ARTEMISIA

- ARTEMIS European Technology Platform
- Strategic Research Agenda
- ARTEMISIA Industrial Association
- Annual Conference 2007

Schools & Seminars

- MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009
- FOSAD 2009 August 31st - September 5th 2009

Upcoming Artist2 Events

- DySCAS 2009 February 18th, 2009
- MDD for Distributed Real-time Embedded Systems (MDD4DRES) 2009 April 20-24, 2009
- DATE 2009 April 20-24, 2009
- CAV 2009 June 26th - July 2nd 2009
- Mapping Applications to MPSoCs 2009 June 29-30, 2009
- ESWeek 2009 October 11-16, 2009

Other ES Links

- Journals
- Conferences
- Standards
- Tools and Platforms
- Main Projects
- Position Papers
- Roadmaps
- Newsletters and Magazines
- Mainstream Press
- Announcements
- Publications

WS & Conferences

- POPL 2009 January 21-23, 2009
- DySCAS 2009 February 18th, 2009
- Optimizations for DSP and Embedded Systems 2009 March 22nd, 2009
- Cyber Physical Systems Week 2009 April 13-16, 2009
- HSCC 2009 April 13-15, 2009
- DATE 2009 April 20-24, 2009
- SCOPE 2009 April 23-24, 2009
- LCTES'09 June 19-20, 2009
- CAV 2009 June 26th - July 2nd 2009
- Mapping Applications to MPSoCs 2009 June 29-30, 2009
- ESWeek 2009 October 11-16, 2009

Information Society
Technologies

my recent pages

- Home Page
- Course Materials Available Online
- Events and Publications on Specific Topics
- Educational Methods for Embedded Systems Design
- Education

Subscriptions

- ARTIST Newsletter
- ARTIST Mailing List

Past Artist2 Events

- 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 October 23rd, 2008
- Workshop on Foundations and Applications of Component-based Design (WFCD'2008) October 19th, 2008
- RNTS'08 October 16-17, 2008
- ACES^{MB} 2008 September 29th, 2008
- ARTIST2 Summer School 2008 in Europe September 8-12, 2008
- ARTIST2 South-American School for Embedded Systems 2008 August 25-29, 2008
- Artist2 Summer School in China 2008



Web Portal - Features

Objective

The Artist2 Web Portal is a major tool for Spreading Excellence within the Embedded Systems Community.

- The web portal disseminates information about **contacts** (Artist2 core and affiliated partners), and **web links** about:
 - the Artist2 JPA events and activities,
 - a fairly thorough set of links to sites of interest to the embedded systems community
- We regularly receive spontaneous requests for:
 - adding information to the site
 - subscriptions to the Artist Newsletter and Mailing List
- Authorised users (principally, the Artist2 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

The screenshot displays the Artist2 web portal interface. At the top, the 'Artist' logo is visible on the left, and the 'Network of Excellence on Embedded Systems Design' banner is on the right. A navigation menu includes 'Home Page', 'Participants', 'Research and Integration', 'Dissemination', 'Embedded System Links', and 'Intranet'. The main content area features a sidebar with a 'Dissemination' section containing a list of workshops: 'Scopes 2008', 'UML SAADL 2008', 'SLA++P'2008', and 'SIES'2008'. The 'SLA++P'2008' workshop is highlighted, showing its title, date (April 5th, 2008), location (Budapest, Hungary), and organizer (ETAPS'08 event). The main content area displays the workshop title 'SLA++P'08' in large, colorful letters, followed by the subtitle 'Model-driven High-Level Programming of Embedded Systems'. Below this is an 'Overview' section with a circular logo for 'European Joint Conferences on Theory and Practice of Software 2008'. The text describes the workshop's focus on synchronous languages and model-driven development. On the right side, there are sections for 'my recent pages' (listing Workshops, Home Page, Year 1 Review, and ArtistDesign) and 'Subscriptions' (listing ARTIST Newsletter and ARTIST Mailing List).

Analysis of Visits to the Web Portal

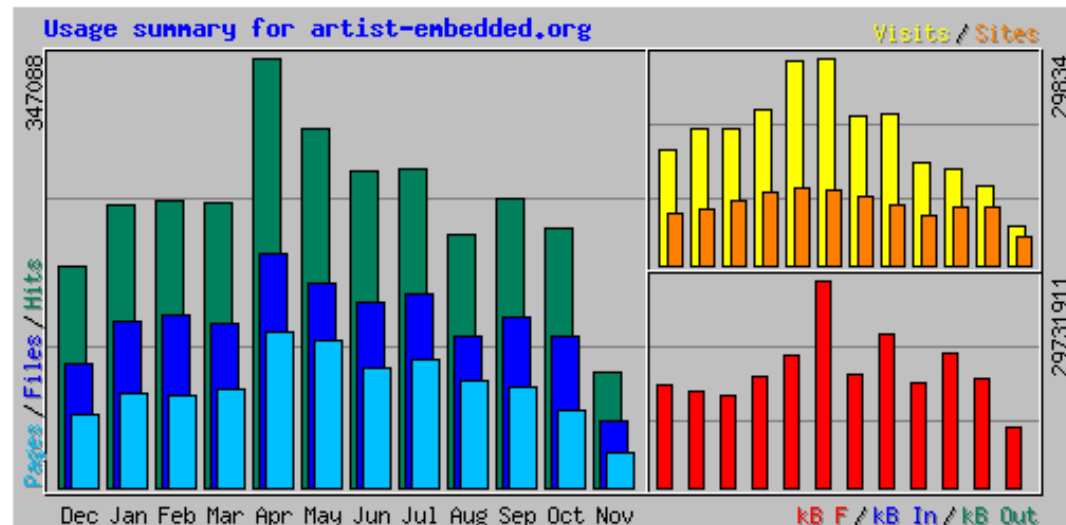
Over the course of Y4, we see a peak in April, which corresponds to registrations for the Artist Summer School. Overall, the workshops (and their hits) were more evenly distributed than in Y3.

Main conclusions:

- Visits to the site are largely driven by the Artist2 events organised (workshops, conferences, schools),
- This seems to drive visits to the other sections: “Embedded Systems Links”, and “Research and Integration”.

But please note:

- Deep analysis of the pertinence and effectivity of the web portal needs to go beyond the numerical analysis provided here.
- Real impact is in whether or not the members of the community find the information relevant, and how it helps them in their daily tasks.



Web Portal - Statistics

Visits distribution / sections of the web portal :

▶ 15. About the Artist2 NoE	1.5%	<div style="width: 1.5%;"></div>
▶ 20. Participants	10.8%	<div style="width: 10.8%;"></div>
▶ 25. Research and Integration	7.4%	<div style="width: 7.4%;"></div>
▼ 30. Dissemination	54.5%	<div style="width: 54.5%;"></div>
▶ 20. Workshops	31.7%	<div style="width: 31.7%;"></div>
▶ 30. Schools and Seminars	19.1%	<div style="width: 19.1%;"></div>
60. Publications	2.1%	<div style="width: 2.1%;"></div>
▶ 70. Contributions to Standards	1.6%	<div style="width: 1.6%;"></div>
▼ 35. Embedded System Links	20.4%	<div style="width: 20.4%;"></div>
10. Journals	2.5%	<div style="width: 2.5%;"></div>
▶ 20. Conferences	1.8%	<div style="width: 1.8%;"></div>
30. Standards	0.7%	<div style="width: 0.7%;"></div>
▶ 35. Tools and Platforms	3.7%	<div style="width: 3.7%;"></div>
▶ 40. Main Projects	2.7%	<div style="width: 2.7%;"></div>
50. Position Papers	1.2%	<div style="width: 1.2%;"></div>
55. Roadmaps	0.9%	<div style="width: 0.9%;"></div>
60. Newsletters and Magazines	1%	<div style="width: 1%;"></div>
▶ 70. Announcements	5.6%	<div style="width: 5.6%;"></div>
▶ 40. intranet	1.1%	<div style="width: 1.1%;"></div>
▶ 70. Artist2 Reviews	3%	<div style="width: 3%;"></div>
71. ArtistDesign Reviews	0.6%	<div style="width: 0.6%;"></div>
76. Reporting on Mobility	0.7%	<div style="width: 0.7%;"></div>

- 54.5% of the visits are to the “Dissemination” section, which provides information and pointers about Artist2 events and results. This is up from 40.9% last year. Of these, a full 31.7% (30.3% last year) of the total visits to the portal are to the Workshops section, where the home pages of many Artist2 workshops are located.
- The “Schools and Seminars” section has registered a very large upswing, from 6% last year, to 19.1% this year.

Google searches to access the Web Portal

The Web Portal shows how visitors reach the site via google (over a few hours this week):

- « [castness](#) »
- « [hipeac](#) »
- « [paul caspi retirement](#) »
- « ["semantic level" component](#) »
- « [artist2](#) »
- « [cluster testing](#) »
- « [FPVI project](#) » (2)
- « [EMBEDDED C](#) »
- « [spreading excellence in research](#) »
- « [presentation material](#) »
- « [cédric di tofano](#) »
- « [ARTIST2 Design](#) »
- « [Multi-Clock Latency-Insensitive Architecture](#) »
- « [Real Time Components](#) »
- « [Systems integration activities](#) »
- « [Integrated Modular Avionics](#) »
- « [ahmed bouajjani](#) »
- « [rtcsa 2009](#) »
- « [FORMAL ANALYSIS ART TUTORIAL](#) »
- « [NOE structure](#) »
- « [RTSS 2009](#) »
- « [artistdesign](#) »
- « [Embedded Systems Week 2009](#) »
- « [ERTS 2009 embedded](#) »
- « [project conclusion application design presentation](#) »
- « [ERTS EMBEDDED REAL TIME SOFTWARE 2009](#) »
- « [Towards a traceability model in a MARTE-based methodology for real-time embedded systems](#) »
- « [Edward A Lee artist](#) »
- « [erts](#) »
- « [ROBERT BOSCH AG](#) »
- « [Integrated modular avionics for first time](#) »
- « [Dr. Christian Salzmann BMW](#) »
- « [parallel optimization demo platform compiler options](#) »
- « [first to use Integrated Modular Avionics \(IMA\)](#) »
- « [Sirena "Real time Embedded Networked Applications"](#) »
- « [integrated modular avionic](#) »
- « [/custom?hl=en&client=pub-899...](#) »
- « [hardware course material online](#) »
- « [what is cluster testing](#) » (2)
- « [main projects](#) » (2)
- « [as level art brief example](#) »
- « [neeraj suri](#) »
- « [modular avionics design](#) »
- « [timing analysis embedded](#) »
- « [integrated modular avionics](#) »
- « [established trust level EAL7](#) »
- « [Industrial Phd Aalborg](#) »
- « [ARTIST DESIGN embedded](#) »
- « [2009 embedded system](#) »
- « [universities in america offering embedded systems course](#) »
- « [artemis fp7](#) »
- « [WCPS2008](#) »
- « [summer Engineering courses in Switzerland](#) »
- « [Languages and Tools for Hybrid Systems Design](#) »
- « [verification assembler code](#) »
- « [basics of model checking paul gastin](#) »
- « [combest passerone](#) »
- « ["roberto zafalon"](#) »

Google searches to access the Web Portal

The Web Portal shows how visitors reach the site via google (over a few hours this week):

- « [UML QoS profile](#) »
- « [Suitability of dynamic load balancing in resource constrained embedded systems: An overview of challenges and limitations](#) »
- « [esweek 2009](#) »
- « [embedded software automotive memory slides](#) »
- « [integrated modular avionics](#) »
- « [t](#) »
- « [survey of programming languages](#) »
- « [survey of programming language](#) »
- « [EMSOFT 2009](#) »
- « [cluster testing](#) »
- « [On the Scalability of Real-Time Scheduling Algorithms on Multicore Platforms: A Case Study](#) »
- « [artist design artist2](#) »
- « [artist](#) »
- « ["abhijit datar"](#) »
- « [artist embedded](#) »
- « [artist2](#) »
- « [integrated modular avionics](#) »
- « [Automation System](#) »
- « [nanjing university yue zhang](#) »
- « [processor-memory co-exploration driven by memory-aware architecture](#) »
- « [mpsoc 2009](#) »
- « ["PARADES" Roma company](#) »
- « [real-time embedded system](#) »
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