ArtistDesign European Network of Excellence on Embedded Systems Design

http://www.artist-embedded.org/   *January 2008 – December 2011*

ArtistDesign is a driving force for federating the European research community in Embedded Systems Design. It brings together 31 of the best research teams as core partners, 15 Industrial and SME affiliated Industrial partners, 25 affiliated Academic partners, and 5 affiliated International Collaboration partners who participate actively in the technical meetings and events.

The central objective for the ArtistDesign European Network of Excellence on Embedded Systems Design is to build on existing structures and links forged in the FP6 Artist2 NoE, to become a virtual Center of Excellence in Embedded Systems Design. This is mainly achieved through tight integration between the central players of the European research community. These teams have already established a long-term vision for embedded systems in Europe, which advances the emergence of Embedded Systems as a mature discipline.
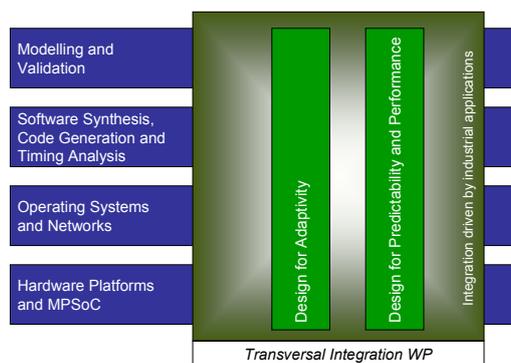
The research effort aims to integrate topics, teams, and competencies, through an ambitious and coherent research programme of research activities which are grouped into 4 Thematic Clusters: "Modelling and Validation", "Software Synthesis, Code Generation, and Timing Analysis", "Operating Systems and Networks", "Platforms and MPSoC". "Transversal Integration" covering both industrial applications and design issues aims for integration between clusters.

The NoE has a very dynamic **International Collaboration** programme, interacting at top levels with the best research centers and industrial partners in the USA: (NSF, NASA, SRI, Boeing, Honeywell, Windriver, Carnegie Mellon, Vanderbilt, Berkeley, UPenn, UNC Chapel Hill, UIUC, etc) and in Asia (Tsinghua University, Chinese Academy of Sciences, Seoul National University, East China Normal University, etc).

ArtistDesign also has a very strong tradition of Summer Schools, Graduate Courses, and major workshops, including the upcoming:

3 Major International Summer Schools

- ARTIST Summer School in Europe 2009 (5th edition) *September 7-11 in Autrans (near Grenoble);*
- ARTIST Summer School in China 2009   (4th edition) *July 18-24 at Tsinghua University;*
- ARTIST South-American School 2009   (3rd edition) *early August in Buenos Aires.*

Don't miss the videos of the lectures by top speakers at the 2008 Summer School in Autrans! http://www.artist-embedded.org/artist/Videos-of-the-Presentations.html

Graduate Courses

- ARTIST Graduate Course on Embedded Control Systems 2009 *June 8-12 in Pisa;*
- ARTIST Graduate Course on Automated Formal Methods 2009 *in Denmark.*

ArtistDesign builds on existing international visibility and recognition, to play a leading role in structuring the area.

Major Workshops

- Runtime Verification 2009 *June 26-28, 2009 at the CAV conference in Grenoble;*
- Mapping Applications to MPSoCs 2009 *June 29-30, 2009 in St. Goar, Germany;*
- WCET 2009 *June 30th, 2009 in Dublin, Ireland (just before ECRTS'09);*
- IRTAW-14 *October 7-9, 2009 in Portovenere, Italy;*
- Foundations and Applications of Component-based Design.*October 2009, Grenoble.*

The Scientific Coordinator for the ArtistDesign European Network of Excellence is Joseph Sifakis (VERIMAG Laboratory).