First International Workshop on
SOFTWARE ENGINEERING CHALLENGES IN THE AUTOMOTIVE DOMAIN
SECAD '07
In conjunction with 31st COMPSAC
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CALL FOR PAPERS

Not many years ago, Information Technology made its first appearance in automobile functions control. Since then, technical solutions have run again through all the stages of the longer evolution of computer systems. Doubtfully accepted at first in a community of electrical engineers, in the form of program-control based devices, they have now boom-evolved into integrated networks of tens and tens of active nodes, each one performing complex, often time-constrained functions. Continuous market pressure for all-in-a-car integrated services (including engine control, x-by-wire drive, passenger comfort control, environment interaction, web services) claims for deployment of the most advanced system and software engineering research results. Automotive issues have become a leading applicative domain for experimenting advances in these fields.

Selected experts worldwide, representing all the involved actors (car makers, technology suppliers, researchers, end-users) are invited to present their position papers and discuss, in interactive panels, the mutual impact between current/future achievements in Software Engineering and emerging features in automotive technology.

We encourage submissions on any aspects of Software Engineering in the Automotive Domain but we particularly welcome submissions that address the following topics:
Continuously evolving requirements, System and super-systems integration, Managing technological changes, Safety, Product and process certification, Process and product lines, Infomobility, Embedded intelligence.

The authors are asked for 4-6 pages papers in the IEEE Format related to the workshop topics.
We invite submissions of quality papers in the following categories:
- Technical solutions and research papers identifying technical solutions which are novel or significantly improve existing solutions (max 6 pages);
- Scientific evaluation papers evaluating existing problems or validate/refuse existing solutions with scientific approaches (max 6 pages);
- Industry papers, containing experience reports and relevant industrial problem statements (max 4 pages).

Accepted papers will published in the COMPSAC Proceedings by IEEE Computer Society Conference Publishing Services (CPS). All CPS Publications are captured in the online IEEE Digital Library and professionally indexed through INSPEC and IE Index (Elsevier's Engineering Information Index).

Workshop website:
   http://conferences.computer.org/compsac/2007/workshops/SECAD.html

Important Dates:
March 15 ,2007 - Deadline for paper submission (EXTENDED)
March 30, 2007 - Notification of acceptance
April 30, 2007 - Camera-ready and author registration due