

DSP in Vehicles 2011



The 5th Biennial Workshop on Digital Signal Processing for In-Vehicle Systems
September, 4th – 7th, 2011, Kiel (Germany)

Call for Papers

The workshop on digital signal processing (DSP) for in-vehicle systems will be held in Kiel, Germany, on September 4th to 7th, 2011. The workshop series presents a unique opportunity for researchers working on different branches of in-vehicle signal processing to exchange and discuss cutting edge results. It also forms a communication platform between researchers, automotive manufacturers, and legislators for road safety on future in-vehicle technologies. The workshop will feature world-class experts on

- road safety ad
- in-vehicle technologies as well as
- demos of state-of-the-art systems.

This year the workshop will be more extensive in participation from different realms such as: signal processing, control engineering, audio-video processing, bio-mechanics, human factors and transportation engineering.

All researchers and companies working to enhance the safety of vehicles are cordially invited to submit a technical paper and participate actively. This meeting is intended to open doors for fruitful discussion and information exchange in an exciting interdisciplinary area.

Workshop Topics

- DSP technologies in adaptive automobiles
- Speech dialog, hands-free, and in-car communication systems (algorithms and evaluation)
- Driver-status monitoring and distraction/stress detection
- In-Vehicle dialogue systems and human-machine interfaces
- Challenges in video and audio processing for in-vehicle products
- Multi-sensor fusion for driver identification and robust driver monitoring
- Vehicle-to-vehicle and vehicle-to-infrastructure wireless technologies
- Human factors and cognitive science in enhancing safety
- Transportation engineering

Webpage:

www.dsp-workshop.org

Important Deadlines

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| • Abstract submission (1-2 or 8 pages): | April 4th, 2011 |
| • Notification of acceptance: | April 15th, 2011 |
| • Full paper submission (8 pages): | July 15th, 2011 |

DSP

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