Due to the recent technological advances, DSPs are now capable of processing a variety of advanced and demanding video applications. The European Union is focusing much effort into the development of automatic traffic surveillance systems in order to improve the safety and efficiency of traffic systems. In cooperation with the Austrian Research Centers, the DSP group at Graz University of Technology is currently developing a new-generation video surveillance system for tunnels. This session will focus on the system design as well as on the optimized software implementation for the embedded smart camera. In addition, we will further sketch a TI-supported video astronomy system based on a TMS320C67x™ DSP.

Target Audience
Developers, educators and industrials

Speaker Biography
Bernhard Rinner is currently associate professor at Graz University of Technology, Austria. He held research positions at the Department of Computer Sciences at the University of Texas at Austin in 1995 and 1998/99. His research interests include parallel processing, embedded systems and real-time artificial intelligence.

Speaker’s previous speaking experience
- Many presentations at various international conferences (DATE, IJCAI, ICSPAT and more)
- Several invited talks at universities and workshops

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