

AGENDA Workshop

How can new sensor technologies impact next generation safety systems?

IEEE IV 2011, Baden-Baden (DE), 5 June 2011

	Workshop official opening	
09:00	Welcome message by EC	Project Officer
09:20	Session A: Sensor technologies	Chair: Erwin Schoitsch - AIT
9:30	Multifunctional & multispectral vision systems:	
	<ul style="list-style-type: none"> Low-cost FIR and multifunctional CMOS sensors for warning night vision applications (ADOSE) 	Karl-Franz Reinhart - Robert Bosch GmbH
	<ul style="list-style-type: none"> Infrared imaging components for use in automotive safety applications (ICU) 	Per Ericsson - ACREO
	<ul style="list-style-type: none"> Wide band multispectral camera (2WIDE-SENSE) 	Jean-Luc Reverchon - Alcatel Thales III-V Lab
10:30	Ranging vision and Lidar systems:	
	<ul style="list-style-type: none"> Overview of ranging camera technologies (ADOSE, MISPIA) – 2nd part 	David San Segundo - IMEC Federica Villa - PolIMI
	<ul style="list-style-type: none"> High temporal resolution vision sensor for safety critical applications (ADOSE) 	Jürgen Kogler - AIT
	<ul style="list-style-type: none"> Low-cost miniature laser scanner (MINIFAROS) 	Kay Fuerstenberg - SICK AG
11:30	Radar systems:	
	<ul style="list-style-type: none"> Harmonic automotive radar for enhancement of VRU detection (ADOSE) 	Jone Saebboe – TRIAD Vassilios Moussas - PARAGON S.A.
	<ul style="list-style-type: none"> Radar Interference Mitigation (MOSARIM) 	Martin Kunert - Robert Bosch GmbH
12:30	Open discussion: <ul style="list-style-type: none"> Expected benefits with respect the state-of-the-art Further gaps to be covered 	All
13:00	Lunch break	
14:20	Session B: Safety systems	Chair: Werner Ritter - DAIMLER
14:30	Pedestrian protection:	
	<ul style="list-style-type: none"> Low Cost Warning Night Vision Systems (FNIR) Pedestrian protection with wireless technology (WATCH-OVER) 	Werner Ritter - DAIMLER Axel Sikora - STEINBEIS
15:15	Cooperative Intersection Safety (INTERSAFE-2)	Kay Fuerstenberg - SICK AG
15:45	interactiVe Perception Horizon: Approach to Accident Avoidance by Active Intervention	Sinisa Durekovic - NAVTEQ
16:30	Towards automation: The HAVEit Approach (HAVE-IT)	Reiner Hoeger - Continental Automotive GmbH
17:00	Performance testing methods for active safety functions in road vehicles (ActiveTest)	Oscar Muñoz - IDIADA
17:15	Open discussion: <ul style="list-style-type: none"> New challenges and research needs Sensor integration: software and hardware interfaces Testing methodology 	All



Harmonic automotive radar for enhancement of VRU detection
 (sensor and software technologies)
 (ADOSE Project)

Part #2 - Enhanced Detection & Tracking: Paragon

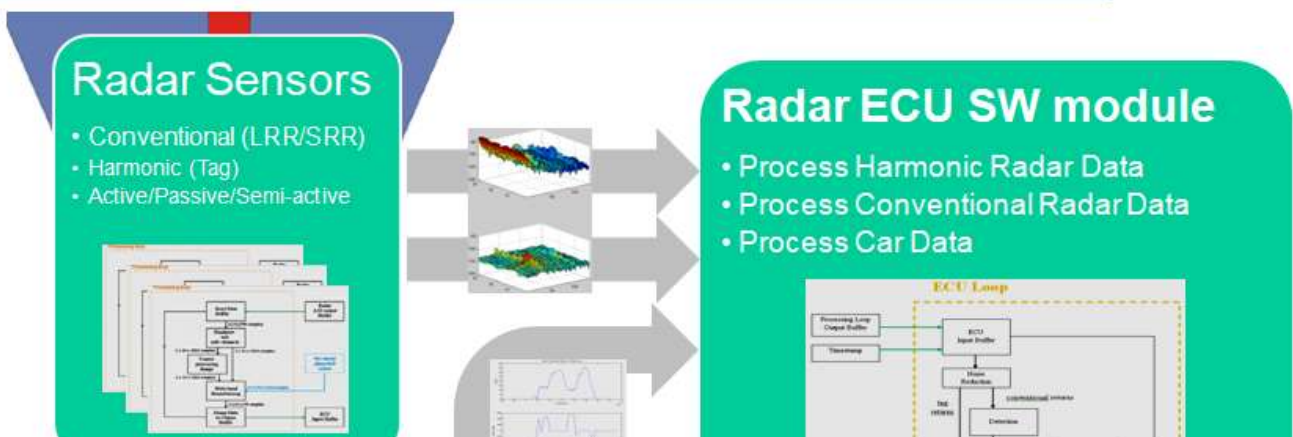
Vassilios Moussas (Paragon)



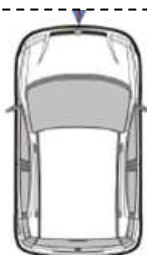
Workshop, IEEE IV 2011, Baden-Baden (DE), June 5 2011



Radar ECU SW: Role & Objectives

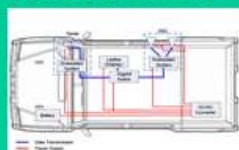


NOTE: DEMO SLIDE – Details should be asked from the project partner



Car data

- Speed & Rotation



- Improve Detection of Vulnerable Road Users (VRUs)