



The 11th IEMEK Symposium on Embedded Technology

May 26-27 2016, Hotel Inter-Citi, Daejeon, Korea

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1-Day

May 26(THU), 2016

12:00-13:10		Registration	
Invited Sessions			
	Invited Session A: ETRI 1 [Pine Hall 3F]	Invited Session B: GITC [Oak Hall 3F]	
	Drone and Embedded Systems	Core Technology of Autonomous Vehicle / Smart-Car	
	Organizer / Chair: Woochul Kang (Professor, Incheon National University)	Organizer / Chair : Yong-Hun Kim (Center Manager, GITC)	
13:10-15:00	SW Platform Technology for Drones	Development and business trends of domestic and foreign WAVE communication technology	
	Moon-Sub Song (Principal Researcher, ETRI)	Ki-Taeg Lim (Director / Principal Researcher , KETI)	
	A Perspective of Drone Technology	The development of ADAS based on V2X communication via Virtual Validation	
	Hong Dae Kim (Team Manager, R&D Center-Korean Air)	Hee-Jae Choi (Associate, MDS Technology)	
	Drone and S/W technology: View from a drone engineer	A Relative ADAS Research for Smart-vehicle Technology	
	Wanguu Kang (Principal Researcher/Aeronautics Planning team, KARI)	Hyun-Koo Kim (Research Engineer , GITC)	
	Virtualization Technology for Embedded Systems and Its Application to Drones	Improvement PI analysis for automotive motor control board development	
	Dongwook Kang (Senior Researcher, ETRI)	In-cheol Park (Research Engineer, GIVET)	
15:00-15:15 Coffee Break			
Invited Sessions			
	Invited Session C: DGIST [Pine Hall 3F]	Invited Session D: ChungCheong Division of IEMEK[Oak Hall 3F]	
	Unmanned systems and core technologies for military and civil applications	Embedded Technologies for Spacecraft and Rocket Vehicles	
	Organizer : Jonghun Lee (Principal researcher, DGIST) Chair : Hyun E. (Senior researcher, DGIST)	Organizer / Chair : Hyungshin Kim (Professor, Chungnam National University)	
15:15-17:05	Trend of Radar Sensor for Autonomous Vehicle	Flight Software in the Spacecraft Computers	
	Junnam Oh (CTO, Hyolim Industry)	Seyoung Pyo (Senior Researcher, SaTReCi)	
	An Experimental Study of the Underwater Detection using a Pulsed Green Laser System in Coastal Area of Korea	Development of Launch Vehicle GNC SIL and Real Time Operation Environment Based on Auto-Code Generation	
	Jae-Ihn Kim (Ph.D, Defense R&D Center Hanwha Corporation)	Yong-Kyu Park (Senior Researcher, KARI)	
	Tracking Radar performance of satellite launch vehicles	Attitude determination and control system development of CubeSat "LINK"	
	Seokjun Ko (Assistant Professor, Jeju National University)	Youeyun Jung (Post-Doctoral Researcher, KAIST)	
Prospects of Radar Sensors in Unmanned Vehicle Technology for Military and Civil Applications	Software Perspectives on Lunar Landing Event		
Jeong Ho Park (Radar R&D Center, LIG Nex1)	Cheol Hea Koo (Senior Researcher, KARI)		

Keynote Speech I Chair :(Hee-Bum Jung, ETRI) [Pine Hall 3F]		
[Strategy to Improve the Embedded SW Competitiveness in the Smart Car and Drone Industry]		
17:05-17:55		Sang Cheol Han (Head of Future Strategy Group and Dean of Strategic Planning , DGIST)
Keynote Speech II Chair :(Cheolgi Kim, Korea Aerospace University) [Pine Hall 3F]		
[Safety, Security and Simplicity in Drone Onboard Software]		
17:55-18:45		Lui Sha (Professor, University of Illinois at Urbana Champaign)
18:50	Banquet	(Jonghun Lee , DGIST) [Emerald Hall 5F]

2-Day

May 27(FRI), 2016

09:00-10:00	Registration	
Interactive Session I [Emerald Hall 5F] Chair :(SooYoung Suk, GITC) Chair :(Taeho Kim, ETRI)		
10:00-11:10	Interactive Session	
Keynote Speech III Chair :(Youngjun Jung, ETRI) [Pine Hall 3F]		
[Tizen for Future Unmanned Systems]		
11:10-12:00		Sang-bum Suh (Senior Research Fellow, Samsung Electronics)
12:00-13:10	[Emerald Hall 5F] Luncheon	
Keynote Speech IV Chair :(Sam H. Noh, UNIST) [Pine Hall 3F]		
[The Role of Software in the Age of Smart Vehicle]		
13:10-14:00		Hangkoo Lee (Senior Research Fellow, KIET)
Interactive Session II [Emerald Hall 5F] Chair :(Joo Moongab, Pukyong National University) Chair :(Soo-young Kim, ETRI)		
14:00-15:10	Interactive Session	
Invited Sessions		
	Invited Session E: ETRI 2 [Pine Hall 3F]	Invited Session F: BK21+ Research Team for Unmanned Aerial Vehicle SW Platform, Gyeongsang National University [Oak Hall 3F]
	Autonomous vehicles system	Airborne Software Engineering
	Organizer / Chair : Joochan SOHN (General manager, ETRI)	Organizer / Chair: Kyong Hoon Kim (Assistant Professor, Gyeongsang National University)
	The Technology trend and prospect of Human-Vehicle Interaction for autonomous driving	Platform Independent Embedded Software with C language
	Jinwoo KIM (Senior Researcher, ETRI)	Jae Hoon Lim (Esterel Technologies, Technical Manager)
	Service oriented architecture for autonomous vehicle computing environment	Building Open-Source Software Stacks for Small-Sized Drones
	Donghwan Son (CEO, RTST)	Hyun-Wook Jin (Assistant Professor , Konkuk University)
15:10-17:00	Accident Prediction for Autonomous Vehicles Based on Cloud Computing	Optimal Configuration of Virtual Links in AFDX Avionics Networks
	Ko Un Choi (researcher, Konkuk University)	Kyong Hoon Kim (Assistant Professor, Gyeongsang National University)
	Research on Ground Penetrating Radar Technology	Detecting Access Faults for Safety-Critical Multicore Software
	Dong kyoo Kim (Principal engineer, ETRI)	Yong-Kee Jun (Professor, Gyeongsang National University)
17:00	Prize Lottery	

*This program subject to change.

ISET 2016 Secretariat

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