Welcome Speech

Dr. Nam P. Suh
President, KAIST, Korea

Opening Remark

Professor Dong Ho Cho
Organizing Committee Chair of IFEV2011
Vice President, KAIST, Korea

Keynote Speakers

Dr. Richard Kleine
President, SAE International, USA
Richard Kleinehas been elected as a president of SAE International for 2011. In 2008-2010, Kleine served as SAE International's Vice President-Commercial Vehicle; and is a current member of the SAE Commercial Vehicle Executive Council. He is Vice President, Quality and Business Enterprise for Cummins Inc. His other roles were Executive Director of Automotive Customer Engineering; Director of the Automotive Business located in the UK; Director of Automotive Marketing and Product Planning; Chief Engineer of Advanced Concepts; and Manager of Application Engineering for Automotive and Industrial products.

Plenary Speakers

Professor Naoki Shinohara
Research Institute for Sustainable Humanosphere,
Kyoto University, Japan
From 2010, he has been a professor in Research Institute for Sustainable Humanosphere, Kyoto University.He has been engaged in research on Solar Power Station/Satellite and Microwave Power Transmission system. He is a member of the IEEE, URSI, the Institute of Electronics, Information and Communication Engineers (IEICE) and the Institute of Electrical Engineers of Japan (IEEJ).

Mr. Richard Martin
Editorial Director, Pike Research, USA
Richard Martin is editorial director for Pike Research, with responsibilities including the firm's relationships with media organizations as well as providing content management and editorial direction for the Pike Research Blog and other publications. Martin has more than 20 years of journalism experience covering international affairs, business, and technology, and has received several awards including the "White Award" for Investigative Reporting (from the National City & Regional Magazine Association) and "Excellence in Journalism" award (from the Society for Professional Journalists and a Rotary Journalism Fellowship).

Invited Speakers

Professor Yoon-Myung Gimm
School of Electronics & Electrical Engineering, Dankook University, Korea

Professor Nam Kim
Department of Information and Communication Engineering, Chung Buk National University, Korea

Professor Byung-Jun Jang
College of Electrical Engineering & Computer Science Kookmin University, Korea

Dr. Masahiro Hanazawa
Toyota, Japan

Professor Joerg Franke
Institute for Manufacturing Auto- mation and ProductionSystems (FAPS), Friedrich-Alexander University of Erlangen Nurem- berg, Germany

Professor Chulhun Seo
School of Electronic Engineering, Soongsil University, Korea

Professor Seungyoung Ahn
The Cho Chun Shik Graduate School for Green Transportation, KAIST, Korea

Professor In-Soo Suh
Technical Program Chair of IFEV2011
The Cho Chun Shik Graduate School for Green Transportation, KAIST, Korea

Professor Jonghoon Kim
Department of Electrical Engineering, KAIST, Korea

▶ IFEV2011 준비위원회

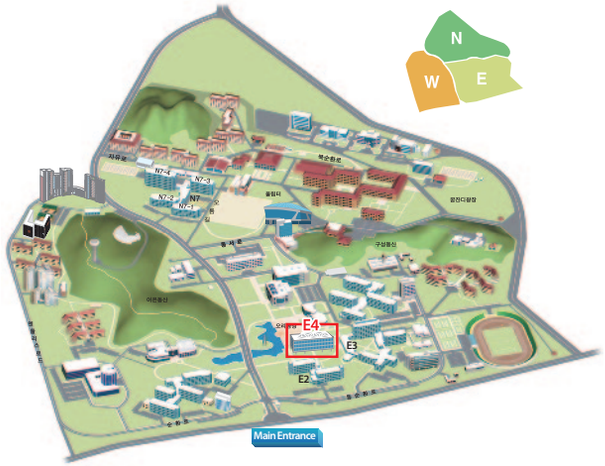
- **General Chair :**
  Professor Dong Ho Cho (Vice President of KAIST)
- **Technical Program Chair & Editor in Chief :**
  Professor In-Soo Suh (KAIST)
- **Technical Program Committee:**
  Professor Joungho Kim
  Professor Seungyoung Ahn
  Professor In Gwun Jang
- **Administration Office:**
  Kie-Hong Joe
  Hyen Hee Roh

▶ 연락처

노현희(KAIST 조천식녹색교통대학원)
E-mail : ifev@kaist.ac.kr
Tel : 042-350-1254 Fax : 042-350-1250

▶ 오시는길

대전광역시 유성구 대학로 291(구성동373-1)



▶ 사전등록 : http://gt.kaist.ac.kr/ifev2011
▶ 당일 현장등록도 가능하지만 원활한 행사진행을위해 2011.11.10(목)까지 사전등록을 해주시기 바랍니다.

Invitation

International Forum on Electric Vehicle 2011

(2011전기자동차 국제포럼)

일시 : 2011. 11. 17(목) ~ 11.18(금)
장소 : KAIST KI빌딩(#E4), 퓨전홀
주최 : KAIST 조천식녹색교통대학원

KAIST
CCS 조천식녹색교통대학원
The Cho Chun Shik Graduate School For Green Transportation

▶초대의 글

'2011년 전기자동차 국제포럼 (IFEV2011)'에 여러분을 초대합니다.

KAIST는 2011년 11월 17일 – 18일, 양 일에 걸쳐 2011년 전기자동차 국제포럼(IFEV2011)을 개최합니다. 최근 자동차 업계는 CO_2 배출량 및 원유 의존도를 줄이기 위해 큰 변화를 추구하고 있습니다. 이를 위해 산업계 및 학계는 하이브리드, 플러그인 하이브리드, 순수 전기자동차, 배터리 교체방식, 장거리주행 전기자동차 및 온라인전기자동차 등 다양한 기술을 제시하고 있습니다. 2011년 전기자동차 국제포럼은 기술, 경제 및 사회적 측면에서 미래 녹색기술의 연구, 개선 및 적용 타당성에 대한 유익한 토론의 장이 될 것입니다.

이 행사에서는 교통 및 전자기기에 적용될 수 있는 녹색 기술로서 자기장 최적화에 초점을 맞추어, 전기자동차의 무선전력공급기술(Wireless power transfer technology)의 최근 연구현황 및 미래 예측에 관한 논의가 이루어질 것입니다. 본 포럼은 **'저탄소 녹색성장'** 의 세계정책에 부합하여 그린자동차를 위한 로드맵을 개발하는데 주도적인 역할을 하고 있는 세계 각국의 정부 정책 관계자 및 모든 참석자께 중요한 가치를 전달하게 될 것입니다.

KAIST는 주행 중 도로면으로부터 전기를 차량에 공급하는 온라인전기자동차(On-Line Electric Vehicle: OLEV)를 개발하여 왔습니다. 이 기술로 OLEV는 기존의 배터리 전용 전기자동차와 비교하여 훨씬 낮은 배터리 의존도를 지닐 수 있었고, 'On-road recharger' 라는 별명을 얻으며 타임 매거진의 2010년의 최고의 발명품 50에 선정되었습니다. 또한 CNN은 지난 8월, 과천서울대공원에서 성공적으로 상용운행 중인 OLEV를 집중보도하기도 했습니다. 미래 녹색 교통을 발전시키기 위한 노력의 일환으로 카이스트는 이 기술의 적용범위를 철도, 가전제품 등 다양한 범위로 확대시킬 예정입니다.

2011년 전기자동차 국제포럼은 무선전력공급(wireless power transfer) 분야에서 강한 글로벌 협력체제를 구축하는 동시에 R&BD성과에 대해 논의하고 공유할 수 있는 좋은 기회가 될 것입니다.

2011년 전기자동차 국제포럼에서 여러분들을 만날 수 있길 희망합니다.
감사합니다.

2011년 10월 14일
KAIST 총장 서 남 표

▶프로그램

Date		Program	Location
11/17 (Thu)	17:00 - 18:00	**OLEV Demo Ride**	Truth Hall, KAIST ICC campus
	18:30 - 20:30	**Reception Dinner:** Hosted by Dong-Ho Cho (Vice President, KAIST, Korea)	3rd floor, VIP Guest House
11/18 (Fri)	9:00 - 9:30	**Registration**	Fusion Hall, KI Building (E4) MC: In-SooSuh
	9:30 - 9:40	**Opening Remark:** **Dong-Ho Cho (Vice President, KAIST, Korea)**	
	9:40 - 10:00	**Welcome Speech:** **Nam P. Suh (President, KAIST, Korea)**	
	10:00 - 10:30	**Keynote Speech:** **Richard Kleine (President, SAE International, USA)**	
	10:30 - 11:00	**Plenary Speech:** **Naoki Shinohara (Professor, Kyoto University, Japan)** Possibility of Wireless Charging System via Microwaves for Electric Vehicle	
	11:00 - 11:30	**Richard Martin (Editorial Director , Pike Research, USA)** Wireless Charging for EVs: The Outlook for 2012 & Beyond	
	11:30 - 13:00	**Press Time / Luncheon**	(TBD)
		Session 1 (Moderator: Seungyoung Ahn)	
	13:00 - 13:25	**Yoon-Myung Gimm (Dankook University, Korea)** Magnetic Field Shielding Materials of 20 kHz for Roadbed Recharging Vehicle	Fusion Hall, KI Building (E4)
	13:25 - 13:50	**Byung-Jun Jang (Kookmin University, Korea)** HF-band Wireless Power Transfer System: Concept, Issues, and Design Aspects	
	13:50 - 14:15	**Joerg Franke (Friedrich-Alexander-University Erlangen-Nuremberg, Germany)** (TBD)	
		Session 2 (Moderator: Yoon-Myung Gimm)	
	14:25 - 14:50	**Seungyoung Ahn (KAIST, Korea)** Wireless Power Transfer System in On-Line Electric Vehicle	Fusion Hall, KI Building (E4)
	14:50 - 15:15	**Jonghoon Kim (KAIST, Korea)** Comparison of Series and Parallel Resonance Circuit Topologies of Receiving Coil for Wireless Power Transfer	
	15:15 - 15:40	**Nam Kim (Chung Buk National University, Korea)** EMF and EMI Discussions on On-Line Electric Vehicle Technology	
		Session 3 (Moderator: Nam Kim)	
	15:50 - 16:15	**Masahiro Hanazawa (Toyota, Japan)** A New Scheme for Power Transfer to Running Automobiles	Fusion Hall, KI Building (E4)
	16:15 - 16:40	**In-Soo Suh (KAIST, Korea)** Future Green Mobility & Wireless Power Transfer Technology	
	16:40 - 17:05	**Chulhun Seo (Soongsil University, Korea)** High-Efficiency Wireless Energy Transmission Using Magnetic Resonance Based on Metamaterial	
		Panel Discussion (Moderator: In-Soo Suh)	
	17:05 - 17:50	Naoki Shinohara (Kyoto University, Japan) Richard Kleine (SAE International, USA) Nam Kim (Chung Buk National University, Korea) Dong-Ho Cho (KAIST, Korea) Richard Martin (Pike Research, USA) Joerg Franke (Friedrich-Alexander-University Erlangen-Nuremberg, Germany)	Fusion Hall, KI Building (E4)
	17:50 - 18:30	Move to KAIST ICC campus	(shuttle provided)
	18:30 - 20:30	**OLEV Demo Ride & Dinner**	Supex hall, Lecture Wing, KAIST ICC Campus

※ This schedule can be changed without a prior notice.