

## 2nd Day : 28th October 2005

Time	Content	Presenter
Session 5 : Perception I ( Chair : Dr. Olivier Aycard )		
9:30 ~ 10:00	PERSYST : Recent results on PERception SYSTems at LASMEA/GRAVIR	Frederic Chausse
10:00 ~ 10:30	Incremental Recognition of Objects in a Sequence of stereo Images	Yeonchool Park
10:30 ~ 11:00	Central Catadioptric vision for robot control	Hicham Hadj Abdelkader
Coffee Break ( 11:00 ~ 11:10 )		
Session 6 : Perception II ( Chair : Dr. Hadi Moradi )		
11:10 ~ 11:40	A 3D Camera Using Infrared Structured Light For Intelligent Service Robots	Jongmoo Choi
11:40 ~ 12:10	Alert systems for improving the safety of vulnerable road users	David Raulo
12:10 ~ 12:40	Lab Tour	
Lunch (12:40 ~ 14:00)		
14:00 ~ 18:00	Technical Tour	

### ● Route map



# 2005 The 2nd Korea-France Symposium on Dependable Robotic Navigation

27-28, October, 2005

Research Complex  
Sungkyunkwan University  
Suwon, Korea

<http://isrc.skku.ac.kr/safemove2005/>

### Organized by

**ISRC (Intelligent Systems Research Center)**

**INRIA (The French National Institute for Research in Computer Science and Complex)**

**LASMEA (Laboratory of Sciences and Materials for Electronics, and of Automatic)**

**The 21st Century Frontier Research Program on Intelligent Robots**

**School of Information and Communication Engineering, SKKU**

### Sponsored by

**The French Embassy in Korea**

**Gyeonggi Provincial Government**

**Korea Ministry of Commerce, Industry and Energy**



Ambassade de France en Corée  
프랑스 대사관



## ● Greetings

It is my great pleasure to invite you to the Second Korea-France Symposium on Dependable Robotic Navigation.

The Symposium covers the state-of-the-art technologies on autonomous navigation as well as sensor guided move for robots, vehicles, and manipulators, with the emphasis on dependability and robustness. This theme of the forum represents one of the key technologies for intelligent robots and systems that provide a great impact on the emerging application of robotic service to human. INRIA/LASMEA has been known to world as one of the leading research centers for intelligent robots and systems. We are delighted and happy to have INRIA/LASMEA as a partner of international collaboration. My Special Thanks go to the France Embassy in Korea, The 21st Century Frontier Research Program on Intelligent Robots and Gyeonggi Province Government for their generous support for this workshop. Please, join in this special event and update and broaden your information and perspective.

**Sukhan Lee**  
**Professor and Director**  
**The Intelligent Systems Research Center**  
**Sungkyunkwan University**



## ● Schedule

### 1st day : 27th October 2005

Time	Content	Presenter
9:00 ~ 9:30	Registration	
9:30 ~ 9:40	Opening speech	Chilgee Lee
Session 1 : Introduction ( Chair : Dr. Dong Kyu Kim )		
9:40 ~ 10:10	The Research Group GRAVIR : Overview of the novel organization	Philippe Martinet
10:10 ~ 10:40	Introduction of ISRC	Sukhan Lee
10:40 ~ 11:10	A Middleware Architecture for Community Computing with Intelligent Agents	HeeYong Yoon
Coffee Break ( 11:10 ~ 11:20 )		
Session 2 : Navigation I ( Chair : Dr. Philippe Martinet )		
11:20 ~ 11:50	Mapping in Car Park Environments	Christopher Tay Meng Keat
11:50 ~ 12:20	Monocular Vision Used as a localization sensor for mobile robot navigation	Jean-Marc Lavest
12:20 ~ 12:50	Indoor SLAM using Constraint Manifold Filtering	Seungmin Baek
Lunch ( 12:50 ~ 14:30 )		
Session 3 : Navigation II ( Chair : Dr. Seungmin Baek )		
14:30 ~ 15:00	Nonlinear Control Strategies for Urban Vehicle Platooning	Philippe Martinet
15:00 ~ 15:30	Evolutionary robotics and self-localization	Anna Spalanzani
15:30 ~ 16:00	Mobile Robot Navigation Using Real-Time Topological Information	Jae-Bok Song
Coffee Break ( 16:00 ~ 16:10 )		
Session 4 : Motion & Manipulation ( Chair : Dr. Anna Spalanzani )		
16:10 ~ 16:40	Progressive Motion Planning	Hadi Moradi
16:40 ~ 17:10	Dependable Manipulation for SilverMate Robot	Sungchul Kang
17:10 ~ 17:40	Grid based approaches for multi-objects tracking	Olivier Aycard
18:30 ~	Banquet	