



**2nd International Smart Infrastructure Symposium
at Kansai University 2014 in collaboration with University of Cambridge**

Multimedia AV room, Kansai University, Osaka

September 26 Friday

12:00	13:00	Registration
13:00	13:30	Opening ceremony Prof. Harushige Kusumi (Kansai University) Prof. Yuzo Ohnishi (Kansai University)
13:30	14:10	Keynote lecture Prof. Emeritus Yozo Fujino (University of Tokyo) A New R&D Program "Infrastructure maintenance, renovation and management" Strategic Innovation Program, Council for Science, Technology and Innovation
14:10	14:50	Keynote lecture Prof. Kenichi Soga (University of Cambridge) Innovation in sensor technologies to realise "Smart Infrastructure"
14:50	15:05	Tea break
15:05	15:25	Session 1 Dr. Yoshihiro Yasumuro (Kansai University) Optimized Planning System of Outdoor Laser Scanning based on On-site Photo Collection
15:25	15:45	Mr. Kikuo Tachibana (PASCO) Development of river embankment inspection system using MMS
15:45	16:05	Prof. Roberto Cipolla (University of Cambridge) Computer Vision for Infrastructure Monitoring
16:05	16:25	Prof. Satoshi Nishiyama (Okayama University) Monitoring Retaining Wall with Landslide Using Application of MEMS and Wireless Communication
16:25	16:45	Dr. Mizuhiko Hosokawa (National Institute of Information and Communications Technology) R&D on Social ICT and the activities related to the social infrastructure monitoring in NICT
16:45	17:25	Keynote lecture Dr. Tomonori Nagayama (University of Tokyo) Infrastructure monitoring using vibration measurements by easily deployable sensors
17:25	18:05	Keynote lecture Prof. Satoshi Fujii (Kyoto University) Building National Resilience
18:30	20:00	Banquet

September 27 Saturday

9:30	9:50	Session 2	Ms. Yoriko Kawakami (Hanshin Expressway Co. Ltd.) Study on Application of Field Signature Method (FSM) to Fatigue Crack Monitoring on Steel Bridge
9:50	10:10		Prof. Hitoshi Furuta (Kansai University) Bridge Management and Life Cycle Performance in Japan
10:10	10:30		Prof. Makoto Nisigaki (Okayama University) Highway Embankment Instability Diagnostic Using Geophysical Tomography
10:30	10:45		Tea break
10:45	11:25	Keynote lecture	Prof. James Brownjohn (University of Exeter) Rationalising long span bridge deformation with wind, thermal and traffic loads
11:25	12:05	Keynote lecture	Prof. Isao Shimoyama (University of Tokyo) MEMS Sensor Systems for Infrastructure Monitoring
12:05	13:30	Lunch, Poster session	
13:30	13:50	Session 3	Dr Raul Fuentes (University of Leeds) Data (big and small) in infrastructure
13:50	14:10		Mr Michael Devriendt (Arup) Data analytics for improving performance of delivering infrastructure
14:10	14:30		Dr. Satoshi Kubota (Kansai University) Civil Infrastructure Information Management based on Product Data Model
14:30	14:50		Dr. Kenji Nakamura (Osaka University of Economics) Research Concerning Technologies of 3D Model Generating for River Space Using Point Cloud Data
14:50	15:05		Tea break
15:05	15:45	Keynote lecture	Prof. Steven Glaser (UCB) Wireless in the Woods
15:45	16:25	Keynote lecture	Prof. Shigenori Tanaka (Kansai University) 3D CAD Engine Based on Parametric Modeling an International Standard for Construction Projects
16:25	16:55	Closing ceremony	Prof. Kenichi Soga (University of Cambridge)

展示コーナー

株式会社地層科学研究所

MEM 加速度センサーを使った小型地震計と、Web による診断サービス

NTT インフラネット株式会社

電磁波レーダー、超音波測定器の実物展示

株式会社パスコ

河川Mobile Mapping System (MMS)

ルーチェサーチ株式会社

無人ヘリコプター

PENTAX TI アサヒ株式会社

3D レーザースキャナーに熱赤外センサーを組み合わせたシステム