

# The 2<sup>nd</sup> International Symposium on Technologies for a Safe and Environmental Friendly Society

## Main Topics

1. Infrastructure management (1<sup>st</sup> day)
  - Structural health monitoring
  - Evaluation and maintenance
  - Intelligent sensors
  - Image processing
  - Engineering Computational Technology
  - etc
2. Functional materials (2<sup>nd</sup> day)
  - Membrane separations
  - Sensors
  - Drug deliveries
  - Adsorbents
  - Catalytic reactors
  - etc

## Final Program

International Hotel Ube  
Yamaguchi  
JAPAN

27<sup>th</sup>-29<sup>th</sup> Nov., 2014

# Final Program

27<sup>th</sup>(Thu) Nov. 2014

9:00 - 9:20	<i>Opening session</i>
9:20 - 10:10 <b>(Keynote I)</b>	“Field Tests for Remaining Life Prediction of Aged Bridges” Prof. Ayaho Miyamoto* *Yamaguchi University, Japan
10:10 - 11:00 <b>(Keynote II)</b>	“Rehabilitation of Small and Medium Span Concrete Bridges ~ some examples ~” Prof. Válder J. G. Lúcio* *University of New Lisbon, Portugal
11:00 - 11:20	 <i>Coffee break</i>
11:20 - 11:50	“Service Life Prediction of an Aged Bridge based on Carbonation Tests for Cross-section Cutting-off Girders“ Ms. Ratna Widyawati* *PhD Student of Yamaguchi University, Japan
11:50 - 12:20	“Web-based Tool for Load-bearing Assessments of Bridges“ Prof. Risto Kiviluoma* *Aalto University, Finland
12:20 - 14:00	 <i>Lunch break &amp; Poster presentation</i>
14:00 - 14:50 <b>(Keynote III)</b>	“Automatic and Exact Crack Extraction from Concrete Surfaces using Image Processing Techniques“ Prof. Hideaki Nakamura* *Yamaguchi University, Japan
14:50 - 15:40 <b>(Keynote IV)</b>	“Environment Modeling for Autonomous Mobile Robots using Cameras “ Prof. José Neira* *Zaragiza University, Spain
15:40 - 16:00	 <i>Coffee break</i>
16:00 - 17:00	<i>Demonstration of a Bridge Inspection Technology by Radio-controlled Helicopter</i> Asst. Prof. Hisao Emoto* and Mr. Yutaka Watanabe** *Yamaguchi University, Japan **Luce Search Co. Ltd., Japan
17:00 - 18:00	<i>Poster presentation</i>
18:00 - 20:00	<i>Welcome Reception</i>

# Final Program

28<sup>th</sup>(Fri) Nov. 2014

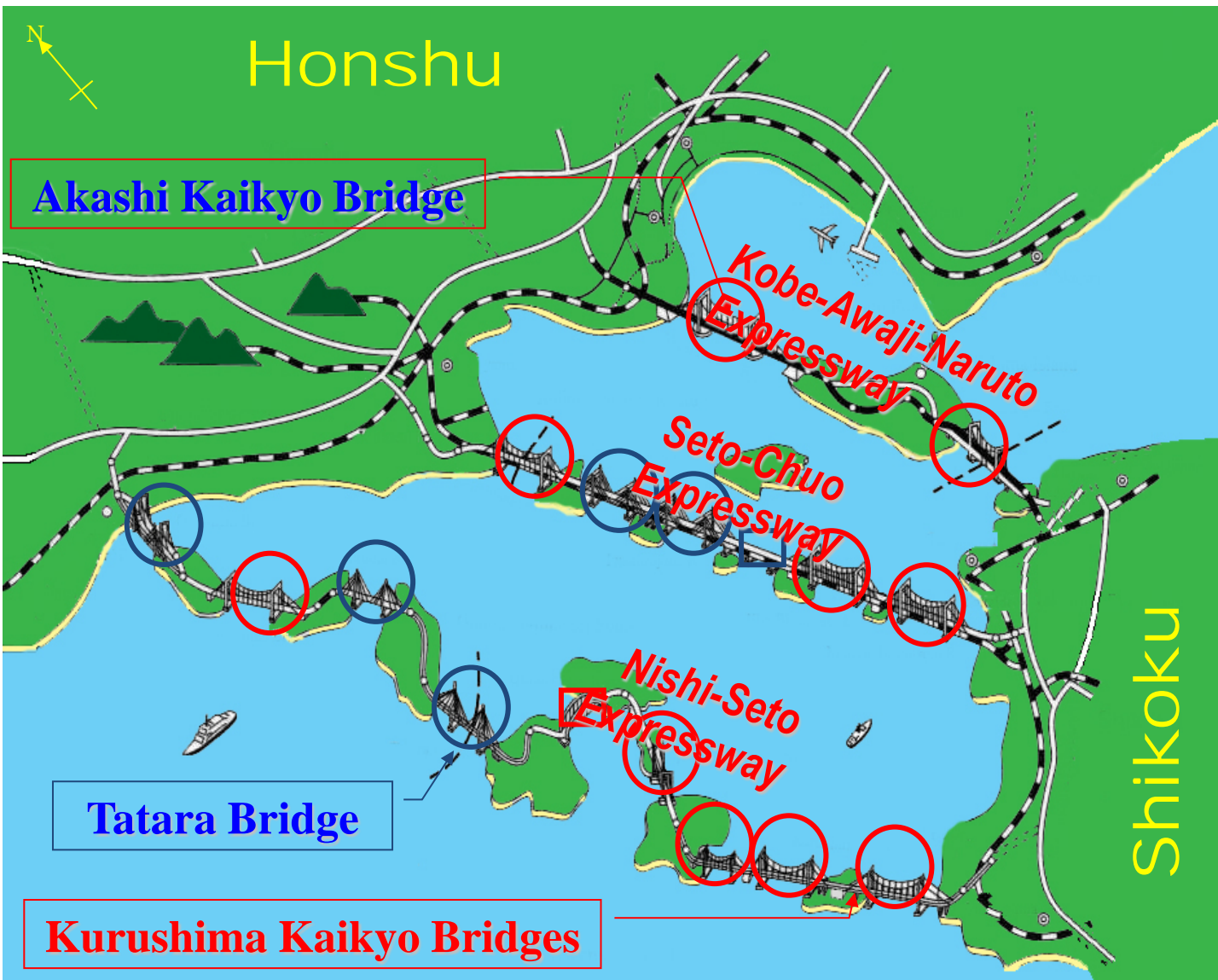
9:00 - 9:50 <b>(Keynote V)</b>	<b>"Green Tyres: Nanocomposite Materials Saving Fuel"</b> Professor Miguel Menendez Zaragoza University, Spain
9:50 - 10:40 <b>(Keynote VI)</b>	<b>"Integration of Advanced Oxidation and Membrane Technologies for Zero-liquid Discharge in Water Reclamation and Reuse"</b> Prof. Ana Maria Urtiaga Cantabria University, Spain
10:40 - 11:00	 <b>Coffee Break</b>
11:00 - 11:30	<b>"Chemical and Biomedical Applications of Nano Sized Mesoporous Materials"</b> Dr. Francisco Balas Zaragoza University, Spain
11:30 - 12:00	<b>"Membrane Reactors for Water Treatment"</b> Prof. Izumi Kumakiri, Yamaguchi University, Japan
12:00 - 14:30	 <b>Lunch break &amp; Poster presentation</b>
14:30 - 15:20 <b>(Keynote VII)</b>	<b>"Membranes in Bioprocessing"</b> Prof. Joao Crespo Nova de Lisboa, Portugal
15:20 - 15:40	 <b>Coffee break</b>
15:40 - 16:30 <b>(Keynote VIII)</b>	<b>"Nano-porous Membranes"</b> Prof. Hidetoshi Kita Yamaguchi University, Japan
16:30 - 17:00	<b>Panel discussion</b>
17:00 - 17:15	<b>Closing session</b>
19:00 - 21:00	 <b>Banquet</b>

# Final Program

29<sup>th</sup>(Sat) Nov. 2014

7:00 -19:00

*Technical tour to  
"Shimanami Route" on  
the Honsyu-Shikoku  
Bridges Site by Bus*





## Main Sponsors:

Yamaguchi University

Yamaguchi University Foundation

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