

Presented by Doshisha University ITEC / STEP and Research Society for Next
Generation Education / Supported by Hitachi Europe

International Symposium on Innovation Strategy (ISIS 2008)

5th Science and Technology Entrepreneurship Program (STEP 2008)

28th Meeting on University Education for the Next Generation

PURPOSE

In a Japanese corporate society, we used to have the “fields of resonance” shared among different companies in the basic research fields of materials, devices, and telecommunications. A number of distinguished researchers belonging to different companies appreciated each other, and exchanged their own intrinsic knowledge between them for innovating in Japan and opening a new frontier. This movement was much more positive and substantial than the so-called “Open Innovation”.

However, since the late 1990s, the “fields of resonance” have been being demolished according to the recessions and shrinkages of Japan's high-tech companies. Even worse, the “fields of resonance” within a company has also experienced the same hard time. The trend leads inevitably to the current situation of Japanese major high-tech companies that have finally lost the way of drawing concrete pictures for new industries.

Based on this situation, what is called now is to show to enterprises and societies that the “knowledge creation” should occur and be fermented under the business ground. The “fields of resonance” must exist and be rebuilt.

The purpose of this symposium is to make a nucleus of the “fields of resonance” through discussions among scientists and engineers gathering here in the Cavendish Laboratory of the University of Cambridge. The overwhelming attractiveness of Ox-Bridge Universities in the UK has succeeded in pulling talented scientists as well as engineers working for various Japanese companies with various expertise. We would like to use this opportunity to kick-off this symposium as a trial of building inter-sector “fields of resonances”.

Date / Time

15 – 16 September, 2008 (09:00 – 18:00)

Place

Hitachi Cambridge Laboratory / Microelectronics Research Centre
Cavendish Laboratory, University of Cambridge
J. J. Thomson Avenue, Cambridge, CB3 0HE, United Kingdom

Lecturer and Title of Lecture (In Japanese, in principle)

Session 1 ‘Corporate Innovation Strategy’ (All Invited Talks)

David Williams ‘Research Activities at Hitachi Cambridge Laboratory’
(Laboratory Manager, Hitachi Cambridge Laboratory)

Takayuki Yuasa ‘R&D in Sharp Europe’
(Deputy Managing Director, Sharp Laboratories of Europe)

Yutaka Sata ‘Innovation Strategies in Toshiba Cambridge’
(Deputy Managing Director, Toshiba Cambridge Research Laboratory)

Koichi Tsuzuki ‘Innovation Strategies in Hitachi Europe’
(CTO, Director of Europe R&D Centre, Hitachi Europe)

Alex Stewart ‘What is new in the Phenomenon’
(CEO, Alexander Capital Access)

The Technology Partnership (TTP)

Session 2 ‘Practical Approach to Innovation’

Yasuo Kozato “Technology Search Activities in Medical Image Computing
- Analysis of a University Research Group -”
(Director, Technology Search Division, Canon Europe)

Miyuki Kono ‘Near-infrared finger vein patterns for personal identification’
(Senior Researcher, Central Research Laboratory, Hitachi)

Kiyotaka Hammura ‘Quantum Chaos in Solid State Spectroscopy’
(Researcher, Hitachi Cambridge Laboratory)

Tomosuke Aono ‘Dephasing Due to Quantum Point Contact’
(Associate Professor, Ibaraki University)

Session 3 'Theoretical Approach to Innovation'

Eiichi Yamaguchi 'Innovation Structure and Innovation Diagram'

'Industrial Revolution as Paradigm Disruptive Innovation'

(Professor, Doshisha University)

Kazuo Sakai 'Origin of Creativity and Effort Toward Integration'

(Professor, Meiji University)

Session 4 'Fields of Resonance'

Ken-ichi Nagaya 'Report on Embodiment of Behavior Modification System "Action T. C."' (President, NETMAN Co Ltd)

Kazuo Sakai 'University Education Innovation Strategy for Establishment of Japanese-style Next Generation University'

'Role Analysis of "Fields of Resonance" in Resolution of a Case'

Session 5 'e-Learning'

Kiyoshi Nakabayashi 'e-Learning and Engineering Innovation'

(Professor, National Institute of Multimedia Education)

Ken Kuriyama 'Discussion of e-Learning in a Service-Science Point of View'

(Chief Researcher, Gakken Co Ltd)

Session 6 'Service-Innovation'

Kazuo Sakai 'Human Resource Development Programs for Service Innovation'

Enrollment

Email E Yamaguchi at ey223@cam.ac.uk or K Hammura at kh401@cam.ac.uk

Free admission (except a social event)

Founders

Eiichi Yamaguchi (Professor of Doshisha University, Fellow of University of Cambridge)

Kazuo Sakai (Professor of Meiji University)

Kiyotaka Hammura (Researcher of Hitachi Cambridge Laboratory)

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