Keio Photonics Research Institute (KPRI)

International Symposium

Face-to-Face Communication

Special Session Program

October 19, 2010

Fujiwara Hiroshi Memorial Hall,
Collaboration Complex (Kyosei-kan)
2nd floor,
Keio University Hiyoshi Campus

KPRI

Greeting

A research team headed by Yasuhiro Koike, Professor of Faculty of Science and Technology, Keio University, has carried out the research with the subject of “Creation of Face-to-Face Communication Industry by Ultra High Speed Plastic Optical Fiber and Photonics Polymers for High Resolution and Large-Size Display,” which was selected in 2009 by the Japanese Cabinet Office’s “Funding Program for World-Leading Innovative R&D on Science and Technology (FIRST Program).” FIRST Program is aimed to advance leading-edge research and developments, and it is a brand-new system where special consideration is given so that researchers could display their abilities to the full.

In April this year, Faculty of Science and Technology of Keio University inaugurated “Keio Photonics Research Institute” (KPRI) to support research under the FIRST Program, and appointed Professor Koike as Research Director. Since the key concept driving study and research in the Faculty of Science and Technology is “emerging,” it is a great pleasure that KPRI was offered an opportunity to work as a new emerging model of academic and industrial alliance, thereby contributing to the society with photonic technology achievement whose basic research originated in Keio University. Finally, I wish your continued support and encouragement for KPRI and its research activities.

Tojiro Aoyama

Dean, Faculty of Science and Technology
Chair, Graduate School of Science and Technology

Greeting

It is a great pleasure that KPRI can hold an international symposium in the same year as we substantially launched the Funding Program for World-Leading Innovative R&D on Science and Technology (FIRST Program) of the Cabinet Office of Japan. I would like to express my deepest gratitude to all people who have been supportive for us to start the project.

Internet has brought about a dramatic change to our life. The more convenient our society becomes, however, the more difficult it seems to be to break free from small displays and keyboards. Under such circumstances, our research achievements, that is, the world’s fastest GI-POF (Graded Index Plastic Optical Fiber) with super high bit rate, optical functional film for high-resolution and big screen displays, have realized overwhelmingly realistic Face-to-Face communications at home with people in a distant place.

For example, a senior living far away from his grandchildren can easily see them face-to-face through realistic life-size displays, sharing a dinner time and experiencing a heartwarming feeling. This cannot be achieved through conventional small displays and keyboards. The key innovation of our research is photonics.

More than twenty years of research has given birth to photonics polymers such as world ’s fastest plastic optical fibers. KPRI will continue to create the innovative Face-to-Face communication industry for the future. I would like to ask for your continuous support and guidance.

Yasuhiro Koike

Research Director,
Keio Photonics Research Institute (KPRI)

Special Session

Date ： October 19 (Tue) 15:00 ～ 17:45

Place ： Fujiwara Hiroshi Memorial Hall, Collaboration Complex (Kyosei-kan) 2nd floor, Keio University Hiyoshi Campus

Program

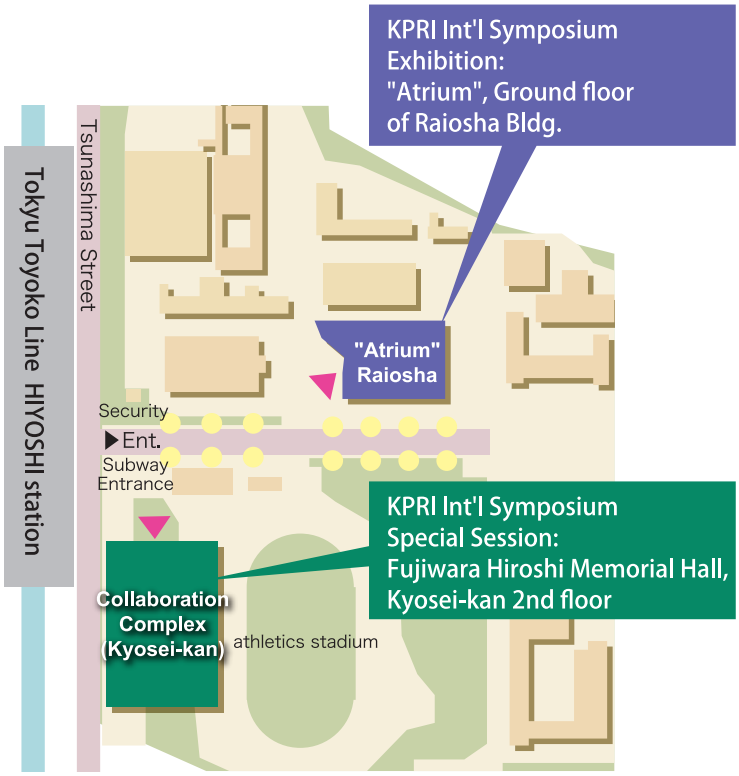
Greeting	**Atsushi Seike** President, Keio University	
Congratulatory Address	**Yukio Hatoyama** Former Prime Minister	
Keynote Lecture "Vision of KPRI's R&D Activity	**Yasuhiro Koike** Professor, Keio University Research Director, Keio Photonics Research Institute	
Presentation "All for Patients: Group Empowerment by Personal Initiative"	**Makoto Suematsu** Dean, School of Medicine, Keio University	
Remote talk connected between Hiyoshi Campus and National Museum of Emerging Science and Innovation (Miraikan) "Lights of the Earth"	Coordinator: **Jun Murai** Dean, Faculty of Environment and Information Studies, Keio University	
Guest Presentation "Our World: An Innovative Perspective"	Guest: **Mamoru Mohri** Astronaut, Chief Executive Director of National Museum of Emerging Science and Innovation	
Demonstration of 3D High-Resolution Display by Photonics Polymer Technologies		
Gratitude	**Tojiro Aoyama** Dean, Faculty of Science and Technology, Keio University	

Exhibition

Date ： October 19 (Tue) 12:00 ～ 19:30 , 20 (Wed) 10:30 ～ 18:00 , 21 (Thu) 10:30 ～ 16:00

Place ： "Atrium", Ground floor of Raiosha Bldg., Keio University Hiyoshi Campus

The world of "Giga House"	This is our future house. A large screen in the living room is not a television any more. It is a window connecting us with outside world. Experience it for yourself!
Road to "Giga Town"	Koike Laboratory has carried out photonics polymers research and development. Its history and future plans are displayed here. Please enjoy time travel with our exhibition



1 min. walk from Hiyoshi Station
(Tokyu Toyoko Line, Tokyu Meguro Line and Yokohama Municipal Subway Green Line)
Limited. Express trains of Tokyu Toyoko Line do not stop at Hiyoshi Station.

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Keio Photonics Research Institute

We would appreciate your comments and suggestions on KPRI International Symposium and our vision of the subject "Creation of Face-to-Face Communication Industry by Ultra High Speed Plastic Optical Fiber and Photonics Polymers for High Resolution and Large-Size Display" at our homepage.

http://kpri.keio.ac.jp/en