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# TOKYO INSTITUTE OF TECHNOLOGY

*Leading the world in science and technology, Tokyo Institute of Technology continues to evolve.*



Tokyo Institute of Technology, or Tokyo Tech in short, was founded by the Japanese Government, Department of Education, as the Tokyo Vocational School in 1881, and then renamed Tokyo Kogyo Daigaku (Tokyo Institute of Technology), in 1929. Following a brilliant history and tradition spanning over 126 years, Tokyo Institute of Technology continues to evolve as one of the world leading science and technology universities of the 21<sup>st</sup> century.

To be recognized as one of the world-class science and technology universities, Tokyo Tech fosters world-class graduates, develops new frontiers of world-class knowledge, and benefit society through transfer of knowledge by having:

- Three Undergraduate Schools: School of Science, School of Engineering, School of Bioscience and Biotechnology
- Graduate Schools: Graduate School of Science and Engineering, Graduate School of Bioscience and Biotechnology, Interdisciplinary Graduate School of Science and Engineering, Graduate School of Information Science and Engineering, Graduate School of Decision Science and Technology, and Graduate School of Innovation Management.
- Other Research Laboratories.

Tokyo Tech is committed to the following missions:

1. Producing world-class graduates
2. Creating world-class knowledge
3. Contributing to society through the utilization of knowledge

Tokyo Tech seeks to maintain the highest standard in its every mission.

(Information resources: <http://www.titech.ac.jp/> and 2006 profile of Tokyo Institute of Technology.)



## Tokyo Tech Logo

The logo of Tokyo Institute of Technology was designed by Prof. Shinji Hori in 1948. The white portion represents the Japanese character [工], which is the first character of 'engineering' (工業). The black part represents the Japanese character [大], which is the first character of 'university' (大学). This figure also symbolizes a swallow, which the Japanese regard a bird of good-luck.



## Tokyo Tech

Over the years, Tokyo Institute of Technology or 東京工業大学 (Tokyo Kogyo Daigaku) in Japanese had been described in several short names both in English and Japanese. In 2002, the university officially adopted "Tokyo Tech" as the international and "東工大" (Tokoda) as the Japanese abbreviation.



## School Color

In 2004, Tokyo Tech resolved that its school color would be royal blue, the color that stands for advancement and evolution.

# Mobile Communications Research Group

Mobile Communications Research Group (MCRG) of Tokyo Institute of Technology was established in 2001. The objective of the group is to conduct advanced research related to mobile communications.

MCRG consists of three laboratories:

1. Signal Processing laboratory  
(Staff: Prof. Hiroshi Suzuki, Associate Prof. Kazuhiko Fukawa, and Assistant Prof. Satoshi Suyama)
2. System laboratory  
(Staff: Prof. Kiyomichi Araki, and Assistant Prof. Kei Sakaguchi)
3. Propagation and Antenna laboratory  
(Staff: Prof. Jun-ichi Takada, and Assistant Prof. Minseok Kim)

Our group conducts comprehensive research on the development of mobile communication systems covering a wide range of cutting edge technologies in the fields of antenna and propagation, transmission systems, hardware development and signal processing. The synergy in the group creates an ideal environment for cross-disciplinary discussions and tapping of expertise resulting in various notable joint projects and developments. Our group has a weekly seminar to share the latest research outcomes among internal laboratories and to gain insight on our research activities by inviting guest speakers.



## Environment of the weekly seminar



**MCRG members**

An Open House is yearly organized to introduce our MCRG activities and build a network with external companies, institutes and organizations in the field of mobile communications. Distinguished speakers from both the academia and industry are invited to give key note speeches and lectures to contribute their views and visions for the future development of research in mobile communications.

In the 2007 Open House, five invited lectures were held and we would like to take this opportunity to express our thanks and appreciation to Dr. Shuzo KATO of NICT Japan, Dr. Mitsuo NOHARA of KDDI Corporation, Dr. Shusaku SHIMADA of Yokogawa Electric Corporation, Dr. Toru TANIGUCHI of Japan Radio Co., Ltd., and Prof. Kiyomichi ARAKI (Tokyo Tech.) for their valuable contribution to the Open House.

Visit our website at <http://www.mcrg.ee.titech.ac.jp/>