



Collaborative Activities with Industry at Tokyo Institute of Technology

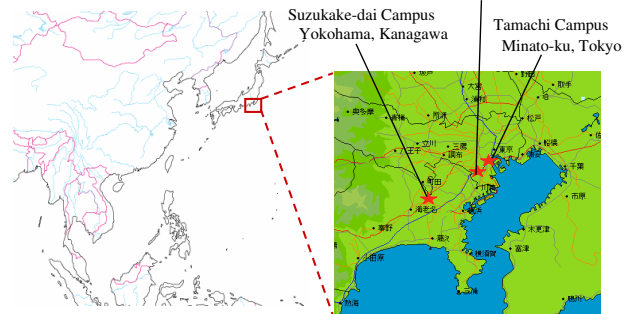
Associate Professor Jun-ichi SAKATA
Associate Professor Mitsuaki HOSONO

Office of Industry Liaison
Tokyo Institute of Technology (Tokyo Tech)



Tokyo Institute of Technology (Tokyo Tech)

O-okayama Campus
Meguro-ku, Tokyo



Profile of Tokyo Tech

- Established in 1881
- Present Overview
 - Legal status : National University Corporation
 - 6 graduate school,s 3 under graduate schools, 4 affiliated laboratories, and other facilities, centers, etc.
 - Faculty members : **1,141**
(Professors : **388** Associate professors: **351**)
 - Number of students : **10,036** (graduate students : **5,096**)
 - International students : **1,038**(graduate students : **611**)
 - Total annual budget : **45,944 million** yen
 - Research Potential : About **10,000** papers are published in authorized scientific journals

(As of May 1, 2007)



Schools and Labs at Tokyo Tech

Undergraduate schools

Science
Engineering
Bioscience and Biotechnology

Graduate schools (45 departments in total)

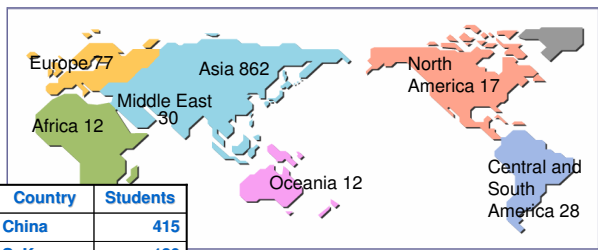
Science and Engineering
Bioscience and Biotechnology
Interdisciplinary Graduate School of Science and Engineering
Information Science and Engineering
Decision Science and Technology
Innovation Management (MOT)

Four affiliated laboratories

Chemical Resources Laboratory
Precision and Intelligence Laboratory,
Materials and Structures Laboratory
Research Laboratory for Nuclear Reactors



International Students in Tokyo Tech

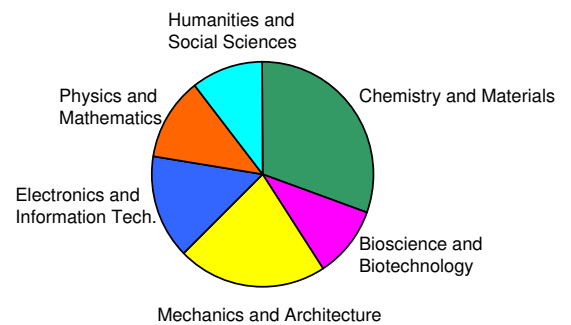


Total 1038

(As of May 1, 2007)



Research Fields of 1141 Faculty Members

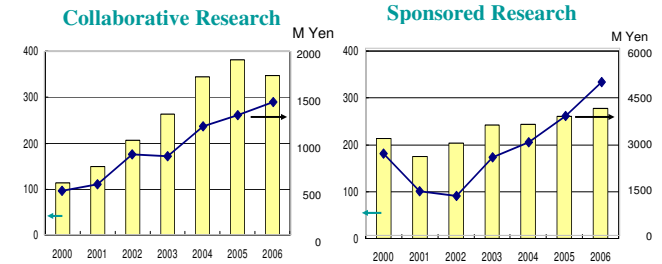


TOKYO TECH Pursuing Excellence
Rating of Tokyo Tech Research
 Top 30 Univ. for Technology (Top 6 and Asia Univ. excerpted)
 by Times Higher Education Supplement Nov.9, 2007

1	Massachusetts Institute of Technology	US
2	University of California, Berkeley	US
3	Stanford University	US
4	California Institute of Technology	US
5	University of Cambridge	UK
6	Imperial College London	UK
...
9	University of Tokyo	Japan
10	National University of Singapore	Singapore
16	Tsinghua University	China
22	Tokyo Institute of Technology	Japan
23	Hong Kong University of Science & Technology	Hong Kong
25	Nanyang Technological University	Singapore
29	Kyoto University	Japan

TOKYO TECH Pursuing Excellence
Research Collaboration between Tokyo Tech with Industry

Number (□) with Fund Amount (◆)



TOKYO TECH Pursuing Excellence
Collaboration Schemes of Tokyo Tech with Industries

Schemes with Contracts

Collaborative Research :

Place =Tokyo Tech and Collaborator's place
 Researchers=Faculty Members* and Collaborator's Researchers

Sponsored Research :

Place =Tokyo Tech
 Researchers=Faculty Members* * including PostDoc

Sponsored Researcher :

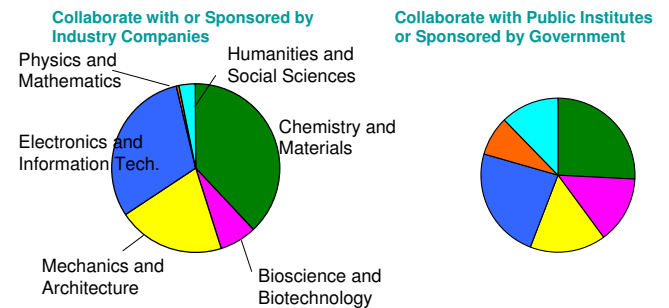
Researchers from Sponsor
 to Conduct Tokyo Tech's or Sponsor's Research at Tokyo Tech

Schemes without Contracts

Donation for Research

Visiting Researchers

TOKYO TECH Pursuing Excellence
Number of Research Activities by Research Fields - Collaborative and Sponsored Research



220 out of 1140 faculty members are involved in the collaborative research with or sponsored research by Industry Companies in FY 2005

TOKYO TECH Pursuing Excellence
Research Alliances with Outside Organizations

Manufacturing companies

- SANYO Electric CO.,LTD.
- FUJITSU LABORATORIES LTD.
- Mitsubishi Chemical Corporation
- Mitsubishi Electric CO.,LTD.
- Matsushita Electric Industrial CO.,LTD.
- TOPPAN PRINTING CO.,LTD.
- Sumitomo Chemical Corporation
- Canon Inc.
- The Semiconductor Technology Academic Research Center (STARC)

Non-manufacturing companies

- Mitsubishi Corporation
- Sumitomo Mitsui Banking Corporation

NPO

- Kanagawa Academy of Science and Technology

TOKYO TECH Pursuing Excellence
How to deal with patents from research (1)

Collaborative Research:

- Sole Invention by Tokyo Tech: Tokyo Tech is Right holder
 → Tokyo Tech will apply solely in principle.
- Sole Invention by Collaborator: Collaborator is Right holder
 → Collaborator will apply solely.
- Co-invention: Tokyo Tech and Collaborator jointly invent the invention
 → Tokyo Tech and Collaborator will apply jointly in principle.

Sponsored Research:

- Sole Invention by Tokyo Tech: Tokyo Tech is Right holder
 → Tokyo Tech will apply solely in principle.

Co-invention without Research Contract

- Tokyo Tech and Outside Institute are Right holders
 → Tokyo Tech and Collaborator will apply jointly in principle.



How to deal with patents from research (2)

Sole Invention under Collaborative/Sponsored Research

Tokyo Tech will solely apply in principle, but may apply jointly with the collaborative/sponsored company after transferring a part of Right .

Co-invention

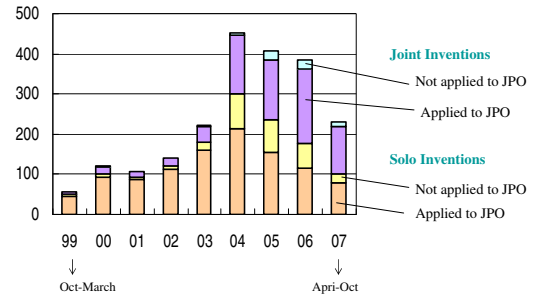
Tokyo Tech and the company will apply jointly in principle. However, some proportion of the right is transferred from Tokyo Tech to the company, and the company will apply solely.

Tokyo Tech will decide how to apply for patent taking the following matters into considerations.

- Contents of Invention,
- Situation of Invention Creation,
- Outside Institute's Intention,
- Inventor's Intention, etc.



Solo Inventions and Joint Inventions in Tokyo Tech

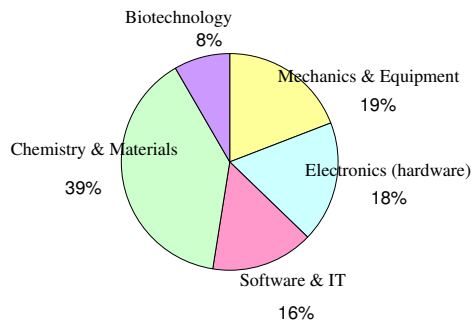


JPO: Japan Patent Office

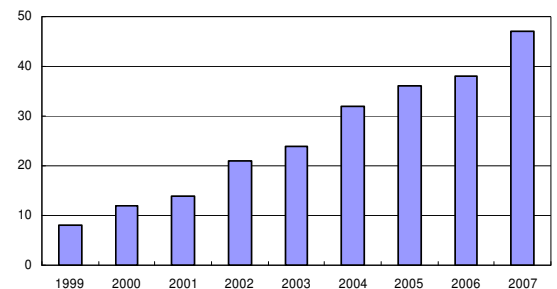


Science/Technology Fields of Invention in Tokyo Tech

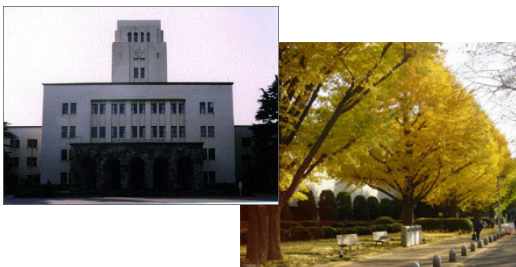
(Oct.1999 – Oct.2007)



Spin-off Companies from Tokyo Tech



Thank you for your attention.



Any questions are welcome to
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