

“The Development of Manufacturing Technology for 21st Century”

Introduction of Lecturers and Panelists

Project Leader
Prof. Dr. Takashi Nakamura
Graduate School of Engineering,
Nagoya Institute of Technology,
Japan



Organizer
Prof. Dr. Nobutaka Odake
Department of Techno-business
Administration,
Graduate School of Engineering,
Nagoya Institute of Technology,
Japan



<Keynote address> 13:15~14:35

“Large scale Manufacturing of structural thermoplastic composites components”

Prof. Dr.- Ing. Frank Henning
Deputy Director Fraunhofer ICT,
Germany



“Dissimilar materials joining – Problems and Solutions”

Mr. Jonathan Martin
Section Manager
Friction and Forge Processes Department TWI,
United Kingdom



Theme of Group 1
15:35~17:35

“Challenge to further expanded application of composites in Japan”

“Characteristics and Future Development of
Carbon Fiber Reinforced Polymer Composites”

Mr. Toshihide Sekido
Former General Manager
Advanced Composites Center
Automotive & Aircraft Center
Toray Industries, Inc., Japan



“Presentation of Research”

Prof. Dr. Hirohito Hira
Department of Integrated Mechanical
Engineering,
School of Engineering,
Daido University, Japan



Panelists of Panel Discussion

Session Chair
Prof. Dr. Masahiro Fukumoto
Department of Mechanical Engineering,
Graduate School of Engineering,
Toyohashi University of Technology,
Japan



[Shown above]
• Prof. Dr.-Ing. Frank Henning, Germany
• Mr. Toshihide Sekido, Japan
• Prof. Dr. Hirohito Hira, Japan

Dr. Satoshi Kitaoka
Group Leader
Chief Researcher
Materials Research and Development
Laboratory,
Japan Fine Ceramics Center, Japan



Dr. Yuji Hotta
Group Leader
National Institute of Advanced
Industrial Science and Technology,
Japan



Theme of Group 2
15:35~17:35

"Innovation of Key Manufacturing Technology for
difficult-to-machine materials"

"Collaboration among industry, academia and government towards the manufacturing innovation"

Prof. Dr. Toshiyuki Obikawa
Department of Mechanical and Biofunctional Systems,
Institute of Industrial Science, The University of Tokyo, Japan



"Cutting technology for difficult-to-machine materials"

Designated Prof. Dr. Takashi Ueda
Department of Mechanical Science
and Engineering,
Graduate School of Engineering,
Nagoya University, Japan



"Presentation of Research"

Dr. Akihiro Matsumoto
Group Leader
National Institute of Advanced
Industrial Science and Technology,
Japan



Panelists of Panel Discussion

Session Chair

Dr. Akihiro Matsumoto, Japan
[Shown above]

[Shown above]

- Prof. Dr. Toshiyuki Obikawa, Japan
- Prof. Dr. Takashi Ueda, Japan
- Prof. Dr. Takashi Nakamura, Japan (Project Leader)

Prof. Dr. Fumihiro Itoigawa
Department of Materials Science
Engineering,
Graduate School of Engineering,
Nagoya Institute of Technology, Japan



Prof. Dr. Norikazu Suzuki
Department of Materials Science
Engineering,
Graduate School of Engineering,
Nagoya University, Japan



Theme of Group 3
15:35~17:35

"Forefront of Weight Reduction Technology and Issue of
Practical Application for Metallic Materials"

"New development of structural materials for saving fuel or energy"

Prof. Dr. Hideaki Matsubara
Graduate School of Environmental Studies, Tohoku University, Japan



"Presentation of Research"

Prof. Dr. Takashi Ishikawa
Department of Materials Science
Engineering,
Graduate School of Engineering,
Nagoya University, Japan



"Presentation of Research"

Prof. Dr. Toshiaki Yasui
Department of Mechanical
Engineering,
Graduate School of Engineering,
Toyohashi University of Technology,
Japan



Panelists of Panel Discussion

Session Chair

Prof. Dr. Masazumi Okido
EcoTopia Science Institute,
Nagoya University, Japan



[Shown above]

- Mr. Jonathan Martin, United Kingdom
- Prof. Dr. Hideaki Matsubara, Japan
- Prof. Dr. Takashi Ishikawa, Japan
- Prof. Dr. Toshiaki Yasui, Japan

Dr. Kenji Miwa
Senior Researcher
Aichi Science & Technology
Foundation, Japan

