

Conference Schedule

December 2, 2010, Thursday

- 10:00-10:30 Registration
- 10:30-10:50 Opening Ceremony (Host: Keiichi Watanuki)
- Address from Professor Takaharu Kuroda, Head of Technology and Society Division, JSME
- Address from Mr. Steve Davies, Director of National Railway Museum, York
- Announcement of ICBTT2010 from Professor Keiichi Watanuki, Conference Chair
- 11:00-12:00 Oral presentation session (Chair: Sohei Shiroshta)
- Practice of the Volunteer Education with Enforcement of the Nursing-Care Prevention
Takaharu Kuroda, Teruyoshi Daitoh and Ginsuke Kono
- The Education of Environmental Engineering by Practical Stirling Engine using Woody Biomass
Akira Hoshi and Shin-ichiro Wakashima
- A Practical Subject for a Freshmen in the Department of Mechanical Engineering of Ichinoseki National College of Technology
Keiko Abe, Keisuke Hara, Akira Hoshi, Shin-ichiro Wakashima, Kiyotada Sato and Masashi Yamanaka
- 12:00-13:30 Lunch
- 13:30-14:30 Special speech (Host: Takaharu Kuroda)
- Development of the National Railway Museum Site as a Visitor Attraction
- Joe Savage, National Railway Museum, York
- 14:30-15:50 Oral presentation session (Chair: Masanori Ogata)
- The development of an FA system model for education using SCADA
Tomoharu Kaeiyama and Takaharu Kuroda
- Development of Action Robot for NHK Robot Contest of "College of Technology"
Taku Miura, Masato Kashiwagi, Ryuusuke Watanabe and Kiichi Yoshida
- Experience-Based Education about Fuel Cells for Elementary School Children by University Engineering Students (Aimed at Enhancing the Communication Skills of University Engineering Students in Toyota Monozukuri Festival 2006,2008, and2009)
Kohei Nakashima, Yoshio Murakami and Soichi Ishihara
- Trials of the Teaching Material for problem-based learning
Tadateru Ishide
- 15:50-16:10 Coffee break
- 16:10-18:00 Tour of National Railway Museum, Part 1

December 3, 2010, Friday

9:00-10:20 Oral Presentation (Chair: Takaharu Kuroda)

Keynote speech:

The History of Mechanical Engineering Heritage Designated by the Japan Society of Mechanical Engineers - Summary of 2007 to 2010 -

Masanori Ogata, Hiroshi Ikemori, Shoji Ishida, Hidetoshi Ohkubo, Hideki Onodera, Takaharu Kuroda, Yukio Takahashi, Ichiro Tsutsumi, Akira Hoshi, Yoshimi Murata, and Keisuke Yoshida

Short History and Significance of Technology History on the British-made Class 1070 No.1080 Tank Engine preserved at Umekoji Steam Locomotive Museum in Kyoto

Masanori Ogata, Ichiro Tsutsumi, Hiroshi Ikemori, Yasuhiko Mutoh, Yasuyuki Fukuhara, and Naoki Bando

Chuhachi Ninomiya and the Failure to Transfer his Airplane Technology to Japan
Sohei Shiroshita

10:20-10:30 Break

10:30-11:50 Oral Presentation session (Chair: Kohei Nakashima)

Virtual Reality-Based Skills Transfer and Human Resource Development Based on Brain Activity Assessment

Keiichi Watanuki and Lei Hou

Laser Materials Processing from Fundamentals to Application Research Works
Takehiro Watanabe and Souta Matsusaka

Development of teaching tool to learn energy conversion technology using mass production type stirling engine

Toshikazu Yamamoto, Koji Ogikubo and Fujio Toda

Proposal of method of practicing engineering ethics education necessary for promotion of technical talent people

Genji Hotta

12:00-13:30 Lunch

13:30-14:30 Special speech (Host: Ichiro Tsutsumi)

Development and management of the locomotive and rolling stock collection at both York and Shildon

Anthony Coulls, Senior Curator of Rail Vehicle Collections at the National Railway Museum, York

14:30-15:30 Oral Presentation session (Chair: Kiichi Yoshida)

System Design Approach derives a New type of Insurance
Madoka Nakajima Hiroyuki Yagita and Shoichi Sasaki

Environmental and Recycling Education through a "Special Course for Active Students"

Tomoyuki Funaki, Shun Ikemoto, Sho Inoue, Natsuo Suzuki, Hidetoshi Ohkubo and Yousuke Yamamoto

Education of Energy through Energy Contest
Sho Inoue, Shun Ikemoto, Tomoyuki Funaki, Ryosuke Ito, Hidetoshi Ohkubo, Natsuo Suzuki and Yousuke Yamamoto

15:30-15:50 Coffee Break

15:50-17:50 Tour of National Railway Museum, Part 2

18:00-20:00 Banquet, National Railway Museum

(18:30-19:00) Banquet speech (Host: Ichiro Tsutsumi)

Repair on the Class 1070 No.1080 British-made 4-4-2 Tank Engine preserved in the Umekoji Steam Locomotive Museum
Naoki Bando and Yasuyuki Fukuhara

Guidance of the Umekoji Steam Locomotive Museum, Kyoto, Japan
Yasuyuki Fukuhara and Naoki Bando

December 4, 2010, Saturday

9:00-12:00 Technical tour
York

12:00-13:00 Lunch

13:00-16:00 Technical tour
National Railway Museum, Shildon

December 5, 2010, Sunday

9:00-16:00 Technical tour
Liverpool