ICBTT 2012 Program

December 6, 2012, Thursday

11:50  Meeting place - Sandman Signature Hotel Newcastle Lobby
       Gallowgate Newcastle upon Tyne, Newcastle, NE1 4SD
12:00  Meeting place - Newcastle University Business School reception
       5 Barrack Road, Newcastle upon Tyne, NE1 4SE
12:00-13:30  Registration - Newcastle University Business School Room 4.23
12:00-13:30  Lunch - Newcastle University Business School Room 2.10
13:30-13:50  Opening Ceremony (Host: Keiichi Watanuki)
              Address from Professor Akira Hoshi, Head of Technology and
              Society Division, JSME
              Address from Professor John Wilson, Conference Co-Chair
              Announcement of ICBT2012 from Professor Keiichi Watanuki,
              Conference Chair
14:00-15:00  Invited Speech (Chair: Ichiro Tsutsumi)
              Passage of Mechanical Engineering Heritage designated by the Japan
              Society of Mechanical Engineers
              - Progress in 2011 and 2012, Contribution to the Society, Subjects to
              Future –
              Masanori Ogata (Kansai University)
15:00-15:20  Coffee break
15:20-16:20  Oral presentation session (Chair: Akira Hoshi )
              The failure to Transfer the Airplane Design Ideas to Future
              Generations
              — Cases of Chuhachi Ninomiya and Alphonse Penaud —
              Sohei Shiroshita (Former Kyoto University)

Technology Transfer on the Wooden Coach Design and Construction
between Japan and England in 1870's
Ichiro Tsutsumi (Research Centre for Railway-related Historical
Records of the Foundation for Transport Studies), Masanori Ogata
(Kansai University), Hiroshi Ikemori (Nishinippon Institute of
Technology), Yasuhiko Mutoh (Sophia University)

Preservation and Untilization of the First Stainless Steel Railcars in
Japan - JSME Mechanical Engineering Heritage No.51 -
Shigeki Matsuoka, Shinya Kudo (J-TREC)
December 7, 2012, Friday

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

Learning and Knowledge Transfer in Global Modular Production: A Developing Country View
Gustavo Guzman (Griffith University, Australia), John Wilson (University of Liverpool, UK)

Support of Reconstruction for Disaster Area using Stirling Cycle Machine
Akira Hoshi (Ichinoseki National College of Technology), Akira Sasaki (Research Institute for Environmental Sciences and Public Health of Iwate Prefecture), Shinzo Tanaka (Iwate Industrial Technology Junior College), Shin-ichiro Wakahima (Ichinoseki National College of Technology)

The development of teaching materials for a practical engineer’s education
Kenta Kamide, Tomoharu Kaeriyama (Kisarazu National College of Technology), and Takaharu Kuroda (Nagano National College of Technology)

Human Resource Development for Undergraduate Students and Engineers Integrating Virtual Training and Practical Training
Keiichi Watanuki, Kazunori Kaede (Saitama University)

10:20-10:30 Break

10:30-11:50 Oral presentation session (Chair: Masanori Ogata)

Proposal of Subject on Robot Contest corresponding to New Course of Study in Technology Education Course in Junior High Schools in Japan
Toshikazu Yamamoto and Koji Ogikubo (Saitama University)

Environmental and recycling education at Tamagawa University
Yuji Suzuki, Natsuo Suzuki, Ryo Miyagoshi, Hidetoshi Ohkubo (Tamagawa University)

Educational Fuel Cells for Mechanical Engineering Students
Kohei Nakashima, Yoshio Murakami, Soichi Ishihara (Meijio University)
Realizing technical transfer in engineering education through construction of waribashi bridges and taketombos
Keiichiro Takato (Nishinippon Institute of Technology), Susumu Shirayama (University of Tokyo)

12:00-13:30 Lunch

13:30-14:30 Oral Presentation session (Chair: Kohei Nakashima)
Large-Eddy Simulation of Flow around Downwind Windmill
Kenta Morimoto and Yuichi Itoh (Kisarazu National College of Technology)

Manufacturing of Two-Legged Walking Toys and Their Analyses of Stability Conditions
R.Watanabe (Chiba University), M. Ando, K.Kato, K. Yoshida (Tokyo Metropolitan College of Industrial Technology)

An Effectiveness of Scenario Graph by Group
Hiroyuki Yagita, Seiko Shirasaka (Keio University)

14:30-14:50 Coffee Break

14:50-16:00 Tour of Newcastle University

18:00-20:00 Banquet - The Courtyard Restaurant, Newcastle
(18:00-18:20) Award ceremony (Host: Masanori Ogata)
(18:20-18:50) Banquet speech (Host: Ichiro Tsutsumi)

The early railways of North East England and their heritage today
Andrew Scott (Former National Railway Museum, York, UK)
December 8, 2012, Saturday

9:30-12:00  Technical tour
            Hotel (Sandman Signature Hotel, Newcastle) --> Discovery Museum --> Newcastle Central Station --> Stephenson Works
12:00-13:00 Lunch (in Newcastle)
13:00-17:30 Technical tour
            High Bridge and Swing Bridge of Tyne River --> Castle Keep --> Saint Nicolas Cathedral --> Hotel (Sandman Signature Hotel, Newcastle)

December 9, 2012, Sunday

9:30-12:00  Technical tour
            Hotel (Sandman Signature Hotel, Newcastle) --> The Causey Arch --> Beamish Museum
12:00-13:00 Lunch (at Museum)
13:00-      Technical tour
            Continue at Beamish Museum --> Durham Station (16:28 or 16:38) --> go to Kings Cross, London, or go back to hotel