ICFG
International Cold Forging Group

45th ICFG Plenary Meeting (ICFG 2012)
Dates: 9-12 September, 2012
Location: Nagoya, Japan

Program on 11 September

Opening Address (9: 30 – 9:50)

Invited Keynote Talks 1, Chair: T. Ishikawa (Nagoya University, Japan) (9:50 – 10:40)

- Recent Developments in Bulk Metal Forming (9:50 – 10:15)
  A.E. Tekkaya (Technische Universitat Dortmund, Germany)
- Expectation for Steel Industry and Toyota's Challenges toward Next Generation Vehicle (10:15 – 10:40)
  T. Kitano (Toyota Motor Corporation, Japan)

Invited Keynote Talks 2, Chair: T. Ishikawa (Nagoya University, Japan) (11:00 – 12:40)

- Overview on Research Activities in Cold Forging of Aluminum Alloys in Europe (11:00 – 11:25)
  M. Liewald (Universitat Stuttgart, Germany)
- Advanced Stamping Technology to Realize the High Accurate Automotive Parts (11:25 – 11:50)
  K. Hirabayashi (Syvec Corporation, Japan)
- Development Status of Precision Forming Technology for Automobile Industry in China (11:50 – 12:15)
  Z. Zhao (Shanghai Jiao Tong University, P.R. China)
- Future Application of AC Servo Press Focusing on Forging Process (12:15 – 12:40)
  K. Kawamoto (Komatsu Ltd., Japan)

ICFG Plenary Meeting (13:50 – 14:50)

Paper Session 1 (14:50 – 15:30)

Chairs: Z.G. Wang (Gifu University, Japan) & S. Isogawa (Daido University, Japan)

- Direct Determination of Coulomb's Friction Coefficient for Cold Forging Simulation (14:50 – 15:10)
  C. Karadogan (Atilim University, Turkey)
- Influences of Mechanical Property of Workpiece on Peformance of Environmentally-Friendly Lubricant for Aluminum Alloy Cold Forging (15:10 – 15:30)
  K. Hayakawa (Shizuoka University, Japan)

Paper Session 2 (15:50 – 17:10)

Chairs: S. Isogawa (Daido University, Japan) & Z.G. Wang (Gifu University, Japan)

- Lightweight Design Innovations in the Passenger Car Gear Production (15:50 – 16:10)
  P. Grupp (Felss GmbH,Germany)
- Development of a High Performance Quadrilateral Self-Tapping Thread Form and Production Methods (16:10 – 16:30)
  E. Erbil (Norm Fasteners Co., Turkey)
- Bolt Manufacturing of Fine-Grained Materials (16:30 – 16:50)
  Y.-T. Im (KAIST, Korea)
- The Intense Cold Extrusion Technology (16:50 – 17:10)
  L.D. Olenin (Moscow State University of Mechanical Engineering, Russia)