

# THE ISIJ ORGANIZATION (as of April, 2022)

## Academic Society

- **Board of Academic Society**
  - **Editorial Board of Journals**
    - Editorial Subcommittee of Journals
    - Screening Subcommittee of Paper Awards
    - Planning Task Force of Special Issues in Tetsu-to-Hagané
  - **ISIJ Meeting Committee**
  - **Organizing Committee for ICAS2022**
  - **Organizing Committee for SynOre2022**
  - **Organizing Committee for ISHOC-2022**
  - **Division of High-Temperature Processes**
    - Steering Committee
    - Research Group
      - \*Visualization of Slag for Better Understanding of Multi-Phase Melts Flow
      - \*Lumpy Zone Control for Next Generation Hydrogen Enriched Blast Furnace
      - \*Evolution Mechanism of Inclusion during Steel Solidification
      - \*Multi-Scale Evaluations on Microstructures of High Quality Iron Ore Sinters
      - \*Multi-Scale Analysis of Defects during Solidification and Casting
      - \*Improvement of Measurement Accuracy in Thermal Conductivity of Molten Oxides
  - **Division of Sustainable Systems**
    - Steering Committee
    - Research Group
      - \*CCU for Iron and Steel Making
      - \*Data Science for Deterioration Diagnosis of Infrastructure
  - **Division of Instrumentation, Control and Systems Engineering**
    - Steering Committee
    - Screening Subcommittee of Instrumentation, Control and System Engineering Awards
    - Research Group
      - \*Systems Resilience to Realize both Maximum Efficiency and Operational Stability
  - **Division of Processing for Quality Products Steering Committee**
    - Research Group
      - \*Forming Technology of Steel Tubes with Nonuniform Thickness for Producing Extremely Lightweight Parts
      - \*Approach Linking Digitalized-Structural Factors to Fracture Strength in AM Materials
      - \*Systematic Reinvestigation of Cutting Mechanism on Carbon Steel
  - **Division of Microstructure and Properties of Materials**
    - Steering Committee
    - Research Group
      - \*Heterogeneous Deformation Structure and its Effects on Mechanical Properties
      - \*Elucidation of Bio-Corrosion Mechanism and Development of Diagnosis / Deterrence Technology for Bio-Corrosion
      - \*Approach Linking Digitalized-Structural Factors to Fracture Strength in AM Materials
      - \*Structural Factors in Hot-Dip Galvanized Coatings for Creating New Functionalities
  - **Division of Process Evaluation and Material Characterization**
    - Steering Committee
    - ISIJ Meeting Subcommittee
    - Publicity Subcommittee
    - Research Group
      - \*Heterogeneous Deformation Structure and its Effects on Mechanical Properties
      - \*Research on Practical LIBS Application
      - \*Non-Destructive / On-Site Analysis for Materials Related to Steel Industry
      - \*Chemical Elucidation of Basic Steel-Analyzing Techniques based on Sophisticated Skills