

# THE ISIJ ORGANIZATION (as of April, 2020)

## 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 CUUTE-1

#### · Organizing Committee for ISSS2020

#### · Organizing Committee for ICAS2022

#### · Organizing Committee for the 1st International Symposium on Iron Ore Agglomerates

#### · Organizing Committee for ISHOC-2022

#### · Division of High-Temperature Processes

- Steering Committee
- Research Group
  - \*3D / 4D Analysis of Segregation and Defects in Solidification Process
  - \*Visualization of Slag for Better Understanding of Multi-Phase Melts Flow
  - \*Cokemaking Technology for Low CO<sub>2</sub> Emission and High Quality while Extending Available Resources
  - \*Lumpy Zone Control for Next Generation Hydrogen Enriched Blast Furnace
  - \*Evolution Mechanism of Inclusion during Steel Solidification

#### · Division of Sustainable Systems

- Steering Committee
- Research Group
  - \*Slag to Urban Phosphate ore (StoUP)
  - \*Corrosion-induced Hydrogen Absorption to Steels
  - \*CCU for Iron and Steel Making

#### · Division of Instrumentation, Control and Systems Engineering

- Steering Committee
- Screening Subcommittee of Instrumentation, Control and System Engineering Awards
- Research Group
  - \*Human-system Shared Control Realizing High Efficient and Stable Rolling
  - \*Systems Resilience to Realize both Maximum Efficiency and Operational Stability

#### · Division of Processing for Quality Products Steering Committee

- Research Group
  - \*Human-system Shared Control Realizing High Efficient and Stable Rolling
  - \*Forming Technology of Steel Tubes with Nonuniform Thickness for Producing Extremely Lightweight Parts

#### · Division of Microstructure and Properties of Materials

- Steering Committee
- Research Group
  - \*High-Strengthening Theory in High-Temperature Materials
  - \*Corrosion-induced Hydrogen Absorption to Steels
  - \*Heterogeneous Deformation Structure and its Effects on Mechanical Properties
  - \*Elucidation of Bio-corrosion Mechanism and Development of Diagnosis / Deterrence Technology for Bio-corrosion

#### · Division of Process Evaluation and Material Characterization

- Steering Committee
- ISIJ Meeting Subcommittee
- Publicity Subcommittee
- Research Group
  - \*High-Strengthening Theory in High-Temperature Materials
  - \*Heterogeneous Deformation Structure and its Effects on Mechanical Properties
  - \*Research on Practical LIBS Application