

| | Date | Time | Room | Page |
|---|------|------|-----------|------|
| Plenary Session | 8/2 | AM | Main Hall | VII |
| Symposium 1. Advanced Steels and Processing | | | | |
| Transformation | 8/2 | PM | Room A | 1 |
| High Strength Steel (1) | 8/3 | AM | Room A | 9 |
| High Strength Steel (2) | 8/3 | PM | Room A | 12 |
| Deformation (1) | 8/4 | AM | Room A | 19 |
| Deformation (2) | 8/4 | PM | Room A | 24 |
| Effect of Alloying Element and Process (1) | 8/5 | AM | Room A | 32 |
| Effect of Alloying Element and Process (2) | 8/5 | PM | Room A | 38 |
| Solidification and Surface Phenomena | 8/5 | PM | Room C-2 | 39 |
| Symposium 2. Advanced High Temperature Structural Materials | | | | |
| Advanced Heat-Resistant Steels and Iron-Based Alloys (1) | 8/2 | PM | Room B-1 | 1 |
| Advanced Heat-Resistant Steels and Iron-Based Alloys (2) | 8/2 | PM | Room B-1 | 2 |
| Ni-Based Superalloys (1) | 8/3 | AM | Room B-1 | 9 |
| Ni-Based Superalloys (2) | 8/3 | AM | Room B-1 | 9 |
| Co-based Superalloys(1) | 8/3 | PM | Room B-1 | 13 |
| Co-based Superalloys(2) and High-Entropy Alloys | 8/3 | PM | Room B-1 | 13 |
| Ti-Al Intermetallics and Inorganic Compounds | 8/4 | AM | Room B-1 | 19 |
| Advanced Ti-Based Alloys | 8/4 | AM | Room B-1 | 19 |
| Ni-Based Superalloys (3) | 8/4 | PM | Room B-1 | 25 |
| Ni-Based Superalloys (4) | 8/4 | PM | Room B-1 | 25 |
| Ultrahigh-Temperature Materials(1): Structural Ceramics | 8/5 | AM | Room B-1 | 32 |
| Ultrahigh-Temperature Materials(2): Structural Ceramics | 8/5 | AM | Room B-1 | 32 |
| Ultrahigh-Temperature Materials(3): Structural Silicides | 8/5 | PM | Room B-1 | 39 |
| Ultrahigh-Temperature Materials(4): Processing | 8/5 | PM | Room B-1 | 40 |
| Symposium 3. Light Metals and Alloys | | | | |
| Magnesium (1) | 8/2 | PM | Room D | 2 |
| Magnesium (2) | 8/3 | AM | Room D | 10 |
| Magnesium (3) | 8/3 | PM | Room D | 14 |
| Aluminum (1) | 8/4 | AM | Room D | 20 |
| Magnesium (4) | 8/4 | PM | Room C-1 | 25 |
| Aluminum (2) | 8/4 | PM | Room D | 26 |
| Magnesium (5) | 8/5 | AM | Room C-1 | 33 |
| Titanium (1) | 8/5 | AM | Room C-1 | 33 |
| Aluminium (3) | 8/5 | AM | Room D | 33 |
| Titanium (2) | 8/5 | PM | Room C-1 | 40 |
| Titanium (3) | 8/5 | PM | Room C-1 | 40 |
| Aluminium (4) | 8/5 | PM | Room D | 41 |
| Symposium 4. Solidification, Deformation and Related Processing | | | | |
| Processing for Microstructural and Property Controls | 8/2 | PM | Room C-2 | 3 |
| Forming Response of Metals and Alloys | 8/2 | PM | Room C-2 | 3 |
| Materials Design | 8/3 | AM | Room C-2 | 10 |

| | Date | Time | Room | Page |
|---|------|------|----------|------|
| Microstructure Evolution | 8/3 | AM | Room C-2 | 10 |
| Dynamics of Solidification | 8/3 | PM | Room C-2 | 14 |
| Casting and Semisolid Processing | 8/3 | PM | Room C-2 | 14 |
| Microstructural Control of Titanium and Steel | 8/4 | AM | Room C-2 | 20 |
| Welding | 8/4 | AM | Room C-2 | 20 |
| Continuous Casting and Segregation | 8/4 | PM | Room C-2 | 26 |
| Microsegregation and External Fields | 8/4 | PM | Room C-2 | 27 |
| Symposium 5. Thin Films and Surface Engineering | | | | |
| Thin Films (1) | 8/2 | PM | Room G | 3 |
| Surface Modification (1) | 8/2 | PM | Room G | 3 |
| Corrosion | 8/3 | AM | Room G | 11 |
| Multilayers | 8/4 | AM | Room G | 20 |
| Thin Films (2) | 8/4 | AM | Room G | 21 |
| Thin Films (3) | 8/4 | PM | Room G | 27 |
| Coating (1) | 8/4 | PM | Room G | 27 |
| Surface Modification (2) | 8/5 | AM | Room G | 34 |
| Coating (2) | 8/5 | AM | Room G | 34 |
| Nanomaterials | 8/5 | PM | Room G | 41 |
| Coating (3) | 8/5 | PM | Room G | 42 |
| Symposium 6. Biomaterials, Smart Materials and Structures | | | | |
| Smart Biointerfaces (1) | 8/2 | PM | Room I | 4 |
| Smart Biointerfaces (2) | 8/2 | PM | Room I | 4 |
| Biodegradable Materials (1) | 8/3 | AM | Room I | 11 |
| Biodegradable Materials (2) | 8/3 | AM | Room I | 11 |
| Shape Memory/Superelasticity (1) | 8/3 | PM | Room I | 15 |
| Shape Memory/Superelasticity (2) | 8/3 | PM | Room I | 15 |
| Smart Biomaterials (1) | 8/4 | AM | Room I | 21 |
| Smart Biomaterials (2) | 8/4 | AM | Room I | 21 |
| Tissue and Tissue Regeneration | 8/4 | PM | Room I | 28 |
| Bioceramics | 8/4 | PM | Room I | 28 |
| Metal Biomaterials (1) | 8/5 | AM | Room I | 34 |
| Metal Biomaterials (2) | 8/5 | AM | Room I | 35 |
| Symposium 7. Materials Characterization and Evaluation | | | | |
| In-situ Electron Microscopy (1) | 8/2 | PM | Room E | 4 |
| In-situ Electron Microscopy (2) | 8/2 | PM | Room E | 5 |
| Advanced Neutron Techniques | 8/3 | AM | Room E | 11 |
| Atomic-Resolution Electron Microscopy | 8/3 | PM | Room E | 16 |
| Characterization of Functional Materials | 8/3 | PM | Room E | 16 |
| Characterization of Structural Materials (1) | 8/4 | AM | Room E | 21 |
| Characterization of Structural Materials (2) | 8/4 | AM | Room E | 21 |
| Surface and Interfaces | 8/4 | PM | Room E | 28 |
| Characterization of Structural Materials (3) | 8/4 | PM | Room E | 28 |

| | Date | Time | Room | Page |
|---|------|------|----------|------|
| 3D/4D Imaging (1) | 8/5 | AM | Room E | 35 |
| 3D/4D Imaging (2) | 8/5 | AM | Room E | 35 |
| Precipitation Behavior | 8/5 | PM | Room E | 42 |
| Characterization of Structural Materials (4) | 8/5 | PM | Room E | 42 |
| Symposium 8. Composites and Hybrid Materials | | | | |
| Metal Matrix Composites with Nano-Carbon Materials | 8/2 | PM | Room C-1 | 5 |
| Novel Evaluation for Composites | 8/2 | PM | Room C-1 | 5 |
| Laminar Metal Matrix Composites | 8/2 | PM | Room C-1 | 5 |
| Particle-Dispersed Metal Matrix Composites | 8/3 | AM | Room C-1 | 12 |
| Functional Composites | 8/3 | PM | Room C-1 | 16 |
| Metal Matrix Composites for Thermal Management | 8/3 | PM | Room C-1 | 16 |
| Polymer Matrix Composites (1) | 8/3 | PM | Room C-1 | 16 |
| Polymer Matrix Composites (2) | 8/4 | AM | Room C-1 | 22 |
| Ceramics Matrix Composites | 8/4 | AM | Room C-1 | 22 |
| Symposium 9. Bulk Metallic Glasses, Nanocrystalline Materials and Ultrafine-Grained Materials | | | | |
| Ultrafine Grained Materials and Bulk Nano Metals (1) Mechanical Properties | 8/2 | PM | Room B-2 | 6 |
| Ultrafine Grained Materials and Bulk Nano Metals (2) Mechanical Properties | 8/2 | PM | Room B-2 | 6 |
| Ultrafine Grained Materials and Bulk Nano Metals (3) Synthesis, Structure and Various Properties | 8/3 | PM | Room B-2 | 17 |
| Ultrafine Grained Materials and Bulk Nano Metals (4) Structure Evolution and Various Properties | 8/3 | PM | Room B-2 | 17 |
| Graded Nanostructured Materials (1) | 8/4 | AM | Room B-2 | 22 |
| Graded Nanostructured Materials (2) | 8/4 | AM | Room B-2 | 22 |
| Nanomaterials and Nanocomposites (1) | 8/4 | PM | Room B-2 | 29 |
| Nanomaterials and Nanocomposites (2) | 8/4 | PM | Room B-2 | 29 |
| Ultrafine Grained Materials and Bulk Nano Metals (5) Functional Materials | 8/4 | PM | Room B-2 | 29 |
| High Entropy Alloys (1) | 8/5 | AM | Room B-2 | 35 |
| High Entropy Alloys (2) | 8/5 | AM | Room B-2 | 36 |
| Bulk Metallic Glass (1) | 8/5 | AM | Room B-2 | 36 |
| Bulk Metallic Glass (2) | 8/5 | PM | Room B-2 | 42 |
| Bulk Metallic Glass (3) | 8/5 | PM | Room B-2 | 43 |
| Symposium 10. Modelling and Simulation of Microstructures and Processing | | | | |
| Materials Design and Data Science | 8/2 | PM | Room F | 6 |
| First Principles Calculations (1) | 8/2 | PM | Room F | 7 |
| First Principles Calculations (2) | 8/3 | AM | Room F | 12 |
| Atomistic Simulations (1) | 8/4 | AM | Room F | 23 |
| Atomistic Simulations (2) | 8/4 | AM | Room F | 23 |
| Computational Thermodynamics and Kinetics | 8/4 | PM | Room F | 29 |
| Microstructure Simulations | 8/4 | PM | Room F | 30 |

| | Date | Time | Room | Page |
|--|------|------|------------|------|
| Solidification | 8/5 | AM | Room F | 36 |
| Computational Approaches on Ferrous Alloys | 8/5 | AM | Room F | 36 |
| Computation on Mechanical Behaviors | 8/5 | PM | Room F | 43 |
| Other Computational Modelling | 8/5 | PM | Room F | 43 |
| Symposium 11. Materials for Energy and Environment | | | | |
| Materials for Energy Harvesting | 8/2 | PM | Room H | 7 |
| Materials for Photovoltaics and Solar Energy | 8/2 | PM | Room H | 7 |
| Recycling Technology | 8/3 | AM | Room H | 12 |
| Materials for Low-Carbon Energy and Green Energy | 8/3 | PM | Room H | 17 |
| Materials for Catalysts and Energy Conversion | 8/3 | PM | Room H | 18 |
| Structural Materials for Nuclear, Oil, Gas and Other Energy Power Plants (1) | 8/4 | AM | Room H | 23 |
| Structural Materials for Nuclear, Oil, Gas and Other Energy Power Plants (2) | 8/4 | PM | Room H | 30 |
| Materials for Batteries and Fuel Cells (1) | 8/5 | AM | Room H | 37 |
| Materials for Batteries and Fuel Cells (2) | 8/5 | PM | Room H | 43 |
| Symposium 12. Electronic and Magnetic Materials | | | | |
| Spintronics | 8/2 | PM | Room K | 8 |
| Hard and Soft Magnetic Materials | 8/2 | PM | Room K | 8 |
| Magnetocaloric Materials | 8/3 | PM | Room K | 18 |
| Magnetic Functions and Properties | 8/3 | PM | Room K | 18 |
| Electronic Materials (1) | 8/4 | AM | Room K | 23 |
| Rare Earth Doped Electronic Materials | 8/4 | PM | Room K | 31 |
| Electronic Devices and Measurements | 8/4 | PM | Room K | 31 |
| Electronic Materials (2) | 8/5 | AM | Room K | 37 |
| Symposium 13. Additive Manufacturing | | | | |
| Process and Process Qualification (1) | 8/2 | PM | Room J | 8 |
| Process and Process Qualification (2) | 8/2 | PM | Room J | 8 |
| Materials and Processing (1) | 8/3 | AM | Room J | 12 |
| Modeling and Simulation for Additive Manufacturing | 8/3 | PM | Room J | 18 |
| Materials and Processing (2) | 8/4 | AM | Room J | 24 |
| Processing and Properties | 8/4 | PM | Room J | 31 |
| Titanium Alloys (1) | 8/4 | PM | Room J | 31 |
| Emerging Technologies in Additive Manufacturing | 8/5 | AM | Room J | 38 |
| Strategies for Qualification in Additive Manufacturing | 8/5 | AM | Room J | 38 |
| Qualification of Novel Materials | 8/5 | PM | Room J | 44 |
| Titanium Alloys (2) | 8/5 | PM | Room J | 44 |
| Poster Session | | | | |
| Symposium 1,3(Al,Ti),7,9,11,12,13 | 8/3 | AM | Annex Hall | 44 |
| Symposium 2,3(Mg),4,5,6,7,8,10 | 8/3 | PM | Annex Hall | 45 |
| High School Poster Session | 8/3 | AM | Annex Hall | 56 |