| June | June 26th - Sunday | | | | | | | | | |
|-------|--------------------|-------|------------------|----------------|--------|--------------------|--|--|--|--|
| Start | Duration | End | - | Abstract-ID | Oral # | Name | Affiliation | Title | | |
| 18:00 | | 22:00 | | | | | | Welcome Reception Badisch Brauhaus | | |
| | | | | | | | | | | |
| June | une 27th - Monday | | | | | | | | | |
| Start | Duration | End | Session Chairs | Abstract ID | Oral # | Name | Affiliation | Title | | |
| 08:20 | 0:40 | 9:00 | | | | | | Bus Transfer from Hotel Kübler to KIT C.N. | | |
| 9:00 | 0:30 | 9:30 | | | | Weiss, Klaus-Peter | Karlsruhe Institute of Technology / ITEP | MEM Welcome and Organizational | | |
| 9:30 | 0:30 | 10:00 | Arno Godeke | 457 | MEM_01 | Kiss, Takanobu | Research Institute of Superconductor Science and Systems, Kyushu University | Novel continuous bending test method applicable to a small diameter less than 10 mm and a development of flexible REBCO tape joints | | |
| 10:00 | 0:30 | 10:30 | Satoshi Awaji | 429 | MEM_02 | Ries, Rastislav | Institute of Electrical Engineering, Slovak Academy of Sciences | Analysis of defects in the superconducting layer after CC tape bending | | |
| 10:30 | 0:20 | 10:50 | | | | | | Cofee-Break | | |
| 10:50 | 0:30 | 11:20 | Carl Buehler | 413 | MEM_03 | Osamura, Kozo | RIAS | Difference of Bending Dependence of Critical Currents between BSCCO and REBCO Tapes | | |
| 11:20 | 0:30 | 11:50 | Pavol Kovác | 415 | MEM_04 | Okada, Tatsunori | Institute for Materials Research, Tohoku University | Uniaxial Strain Dependence of Ic in High Strength Bi2223 Tapes Reinforced with 100- μ m-thick Ni-alloy with Various Pre-tensions | | |
| 11:50 | 0:30 | 12:20 | | 460 | MEM_05 | Cheggour, Najib | ASC-NHMFL-FSU | On the Need of Standard Procedures for Measuring and Analyzing Ic(strain) data in Bi2Sr2CaCu2O8+x wires | | |
| 12:20 | 1:40 | 14:00 | | | | | | Lunch | | |
| 14:00 | 0:30 | 14:30 | Damian Hampshire | 428 | MEM_06 | Shin, Hyung-Seop | Andong National University | Establishing an electromechanical test method of practical HTS REBCO tapes through measuring Ic under tensile loads at cryogenic temperatures | | |
| 14:30 | 0:30 | 15:00 | Andrea Masi | 449 | MEM_07 | Bagrets, Nadezda | кіт | New Work Item Proposal for ISO/IEC Standard for Low Temperature Tensile Test for HTS Wires | | |
| 15:00 | 0:30 | 15:30 | | 414 | MEM_08 | Okada, Tatsunori | Institute for Materials Research, Tohoku University | A possible origin of double peak structure in uniaxial strain dependence of critical current of REBCO coated conductors | | |
| 15:30 | 0:20 | 15:50 | | | | | | Coffee Break | | |
| 15:50 | 0:30 | 16:20 | Christian Barth | 410 | MEM_09 | Senatore, Carmine | University of Geneva | Progresses in REBCO tapes performance for emerging applications in ultra-high magnetic fields | | |
| 16:20 | 0:30 | 16:50 | Cornelia Hintze | 435 | MEM_10 | Lee, Jae-Hun | SuNAM Co., Ltd. | Improvement of engineering critical current density of REBCO coated conductor by RCE- DR | | |
| | | | | | | | | | | |
| 17:00 | 0:40 | 17:40 | | | | | | Bus Transfer from KIT C.N. to Hotel Kübler | | |

| June | une 28th - Tuesday | | | | | | | | |
|-------|--------------------|-------|------------------|----------------|--------|-------------------|---|--|--|
| Start | Duration | End | Session Chairs | Abstract ID | Oral # | Name | Affiliation | Title | |
| 08:20 | 0:40 | 9:00 | | | | | | Bus Transfer from Hotel Kübler to KIT C.N. | |
| 9:00 | 0:30 | 9:30 | Takanobu Kiss | 416 | MEM_11 | Godeke, Arno | Independent Consultant | 35 T with Nb3Sn? | |
| 9:30 | 0:30 | 10:00 | Carmine Senatore | 439 | MEM_12 | Buehler, Carl | BRUKER EAS GmbH / BEST | Record Jc at 23 μm filament diameter in Bruker's new PIT 288 Nb3Sn R&D conductor platform | |
| 10:00 | 0:30 | 10:30 | | 459 | MEM_13 | Cheggour, Najib | ASC-NHMFL-FSU | A Microstructural Aspect Strongly Influencing the Strain Resilience of RRP® Nb3Sn Wires — The d-CuSn Phase Disease | |
| 10:30 | 0:20 | 10:50 | | | | | | Cofee-Break | |
| 10:50 | 0:30 | 11:20 | Najib Cheggour | 420 | MEM_14 | Hampshire, Damian | Durham University | A New Description of the Field, Temperature and Strain Dependence of the Critical Current of Nb3Sn Polycrystalline Superconductors Modelled as a Collection of Josephson Junctions | |
| 11:20 | 0:30 | 11:50 | Hyung-Seop Shin | 440 | MEM_15 | Masi, Andrea | ENEA | Ca/K-1144 Iron Based superconducting wires with composite Cu/Ta sheaths: first experimental findings | |
| 11:50 | 0:30 | 12:20 | | 412 | MEM_16 | Shi, Jiangtao | Shanghai Jiao Tong University | Comparison study of laser and mechanical slitting techniques on electromechanical properties of 2G-HTS tapes | |
| 12:20 | 1:40 | 14:00 | | | | | | Lunch | |
| 14:00 | 0:30 | 14:30 | Tatsunori Okada | 462 | MEM_17 | Kovác., Pavol | Institute of Electrical Engineering, Slovak Academy of Sciences | Current density and stress tolerance of iron based and MgB2 superconductors | |
| 14:30 | 0:30 | 15:00 | Ratislav Ries | 433 | MEM_18 | Barth, Christian | European Organisation for Nuclear Research (CERN) | The FRESCA and the new FRESCA 2 test stations at CERN: characterization of superconducting cables at currents of up to 70 kA and in dipole fields of up to 13 T | |
| 15:00 | 0:30 | 15:30 | | 418 | MEM_19 | Nijhuis, Arend | University of Twente | Characterization of Bi-2223 Superconducting coils for compact cyclotrons in proton therapy | |
| 15:30 | 0:20 | 15:50 | | | | | | Coffee Break | |
| 15:50 | 0:30 | 16:20 | Kozo Osamura | 455 | MEM_20 | Awaji, Satoshi | Institute for Materials Research, Tohoku University | Electromechanical behaviors of REBCO coated conductor and "robust" impregnated coil | |
| 16:20 | 0:30 | 16:50 | Jae-Hun Lee | 422 | MEM_21 | Hintze, Cornelia | Theva Dünnschichttechnik GmbH | SuperLink - 2G HTS Wires for power transmission applications | |
| 17:00 | 0:40 | 17:40 | | | | | | Bus Transfer from KIT C.N. to Badische Weinstuben, Karlsruhe (close to Hotel Kübler) | |
| 18:00 | | 22:00 | | | | | | Reception & Dinner at Badische Weinstuben | |

| June | une 29th -Wednesday | | | | | | | | | |
|-------|---------------------|-------|-------------------|----------------|----------------------|---------------------|---|---|--|--|
| Start | Duration | End | Session Chairs | Abstract ID | Oral # /Poster # | Name | Affiliation | Title | | |
| 08:20 | 0:40 | 9:00 | | | | | | Bus Transfer from Hotel Kübler to KIT C.N. | | |
| 9:00 | 0:30 | 9:30 | Klaus-Peter Weiss | 431 | MEM_22 | Lenoir, Gilles | European Organisation for Nuclear Research (CERN) | Development of a round cable based on REBCO tapes for the Superconducting Link Project at CERN | | |
| 9:30 | 0:30 | 10:00 | | | | All | | MEM Wrap-Up | | |
| 10:00 | 0:20 | 10:20 | | | | | | Cofee-Break | | |
| 10:20 | 0:30 | 10:50 | | | | Fietz, Walter | Karlsruhe Institute of Technology / ITEP | HTS4Fusion Welcome and Organizational | | |
| 10:50 | 0:30 | 11:20 | Makoto Takayasu | 451 | HTS4Fusion_01 | Holzapfel, Bernhard | Karlsruhe Institute of Technology / ITEP | The KIT-CERN Collaboration on Coated Conductors KC4 | | |
| 11:20 | 0:30 | 11:50 | Nagato Yanagi | nnn | HTS4Fusion_02 | Arndt, Tabea | Karlsruhe Institute of Technology / ITEP | Linking the Energy Vector "Liquid Hydrogen" to Power Engineering – HTS as an enabler | | |
| 11:50 | 0:30 | 12:20 | | nnn | HTS4Fusion_03 | Noe, Mathias | Karlsruhe Institute of Technology / ITEP | From HTS for Fusion to Future Power Applications and about the privilege to work with Walter | | |
| 12:20 | 2:20 | 14:40 | | | | | | Barbecue at ITEP | | |
| 14:40 | 2:00 | 16:40 | Walter Fietz | 456 | Poster_MEM_01 | Machiya, Shutaro | Daido University | Current Status of Measuring Strain in Practical Superconducting Wires using Digital Image Correlation | | |
| 14:40 | 2:00 | 16:40 | Klaus-Peter Weiss | 427 | Poster_MEM_02 | Frittitta, Chiara | École Polytechnique Fédérale de Lausanne (EPFL), Swiss Plasma Center | Strain distribution in a Nb3Sn React&Wind cable under applied transverse load | | |
| 14:40 | 2:00 | 16:40 | | 436 | Poster_MEM_03 | Puthran, Kirtana | European Organisation for Nuclear Research (CERN), Karlsruhe Institute of Techn. | Investigation of onset and evolution of mechanical degradation due to transverse compressive stress in Nb3Sn Rutherford cables | | |
| 14:40 | 2:00 | 16:40 | | 411 | Poster_MEM_04 | Lee M.S., Dong Gun | Sam Dong Co., Ltd. | Architecture design for commercial MgB2 superconducting wires at Sam Dong | | |
| 14:40 | 2:00 | 16:40 | | 452 | Poster_MEM_05 | Buran, Marek | Slovak Academy of Science | Behavior of MgB2 wires inside the liquid He and sub cooled water ice. | | |
| 14:40 | 2:00 | 16:40 | | 441 | Poster_MEM_06 | Zhang, Yifei | SuperPower Inc. | Critical current testing of REBCO tapes under spiral bending with controlled twist angle and winding tension | | |
| 14:40 | 2:00 | 16:40 | | nnn | Poster_MEM_07 | Osamura, Kozo | RIAS | Advanced technique for measuuring the bending strain dependence of critical current | | |
| 14:40 | 2:00 | 16:40 | | 454 | Poster_MEM_08 | Shin, Hyung-Seop | Andong National University | Evaluation of electromechanical properties in ultrasonic weld Ag-stabilized REBCO CC joints | | |
| 14:40 | 2:00 | 16:40 | | 437 | Poster_HTS4Fusion_01 | Yanagi, Nagato | National Institute for Fusion Science | Current carrying performance of the HTS WISE conductor in magnetic field and improvement in the current feeder structure | | |
| 14:40 | 2:00 | 16:40 | | 406 | Poster_HTS4Fusion_02 | Wang, Jiawen | North China Electric Power University | Angular Dependence of Dynamic Resistances in HTS Quasi-isotropic Strand on Magnitude and Orientation of AC Magnetic Field | | |
| 14:40 | 2:00 | 16:40 | | 453 | Poster_HTS4Fusion_03 | Moore, Peter | Tufts University | Electromechanical Characterization of Two HTS Cabling Designs for Fusion Based on Single- tape Experiments and Structural Models | | |
| 16:50 | 0:40 | 17:30 | | | | | | Bus Transfer from KIT C.N. to Hotel Kübler | | |
| 18:30 | 0:40 | 19:10 | | | | | | Bus Transfer from Hotel Kübler to Karlsruhe Main Station (20 min waiting time at hotel Kübler to pick up luggage) | | |

| June | une 30th - Thursday | | | | | | | | |
|-------|---------------------|-------|-------------------|----------------|---------------|--------------------|---|--|--|
| Start | Duration | End | Session Chairs | Abstract ID | Oral # | Name | Affiliation | Title | |
| 08:20 | 0:40 | 9:00 | | | | | | Bus Transfer from Hotel Kübler to KIT C.N. | |
| 9:00 | 0:30 | 9:30 | Nikolay Bykovski | 442 | HTS4Fusion_04 | Yanagi, Nagato | National Institute for Fusion Science | Stable operation characteristics of a 20-kA 6-m STARS conductor | |
| 9:30 | 0:30 | 10:00 | Arend Nijhuis | 447 | HTS4Fusion_05 | Ito, Satoshi | Tohoku University | R&D of low-resistance joint of HTS STARS conductors with indium insertion | |
| 10:00 | 0:30 | 10:30 | | 443 | HTS4Fusion_06 | Masi, Andrea | ENEA | Aluminium slotted-core cable in conduit conductor designed for nuclear fusion applications: liquid nitrogen electrical characterization | |
| 10:30 | 0:20 | 10:50 | | | | | | Cofee-Break | |
| 10:50 | 0:30 | 11:20 | Mykola Soloviov | nnn | HTS4Fusion_07 | Kochat, Mehdi | Renaissance Fusion | Simplified Manufacturing of Multi-Layer Patterned HTS Coils for Field with Non-Trivial 3D Distribution | |
| 11:20 | 0:30 | 11:50 | Naoyuki Amemiya | 421 | HTS4Fusion_08 | Huslage, Paul | THEVA Dünnschichttechnik GmbH | 2G HTS tapes for stellarator coils – a feasibility study | |
| 11:50 | 0:30 | 12:20 | | 423 | HTS4Fusion_09 | Gömöry, Fedor | Institute of Electrical Engineering, Slovak Academy of Sciences | Analysis of critical current fluctuations as the means to assess the impact of tape slitting | |
| 12:20 | 1:40 | 14:00 | | | | | | Lunch | |
| 14:00 | 0:30 | 14:30 | Andrea Zappatore | 448 | HTS4Fusion_10 | Bagrets, Nadezda | Karlsruhe Institute of Technology / ITEP | Thermal resistance of stacks of HTS wires under various mechanical pressure and in the temperature range from 4 K to 300 K $$ | |
| 14:30 | 0:30 | 15:00 | Paul Huslage | 446 | HTS4Fusion_11 | Jaroszynski, Jan | NHMFL | Rapid and comprehensive REBCO tape characterization with torque magnetometry up to 45 ${\rm T}$ | |
| 15:00 | 0:30 | 15:30 | | 458 | HTS4Fusion_12 | Bradford, Griffin | ASC-NHMFL-FSU | Inter-tape and Intra-tape Variability from Prominent Manufacturers and the Implications for Fusion | |
| 15:00 | 0:20 | 15:20 | | | | | | Coffee Break | |
| 15:20 | 0:30 | 15:50 | Nadja Bagrets | 434 | HTS4Fusion_13 | Takayasu, Makoto | MIT, PSFC | Development of REBCO Rutherford-Type Cabling | |
| 15:50 | 0:30 | 16:20 | Griffin Bradford | 419 | HTS4Fusion_14 | Bykovskiy, Nikolay | EPFL Swiss Plasma Center | Experimental study of stability, quench propagation and detection methods on 15 kA sub- scale HTS fusion conductors in SULTAN | |
| 16:20 | 0:30 | 16:50 | | 461 | HTS4Fusion_15 | Hartwig, Zachary | Massachusetts Institute of Technology | The SPARC Toroidal Field Model Coil and Some Lessons Learned for Large Scale REBCO Fusion Magnets | |
| 16:50 | 0:20 | 17:10 | | | | | | Coffee Break | |
| 17:10 | 0:30 | 17:40 | Fedor Gömöry | 445 | HTS4Fusion_16 | Phifer, Virginia | NHMFL-ASC | Investigations in the tape-to-tape contact resistance and contact composition in superconducting CORC [®] wires | |
| 17:40 | 0:30 | 18:10 | Danielle Torsello | 417 | HTS4Fusion_17 | Nijhuis, Arend | University of Twente | Enhanced critical axial tensile strain limit of CORC® wires: FEM and analytical modeling | |
| 18:20 | 0:20 | 18:40 | | | | | | Bus Transfer from KIT C.N. to Restaurant Ritter | |
| 19:00 | | | | | | | | Dinner at Restaurant Ritter | |
| | | | | | | | | Bus Transfer from Restaurant Ritter to Hotel Kübler | |

| July | / 1st - Friday | | | | | | | | | |
|-------|----------------|-------|-----------------|----------------|---------------|-------------------|---|---|--|--|
| Start | Duration | End | Session Chairs | Abstract ID | Oral # | Name | Affiliation | Title | | |
| 08:20 | 0:40 | 9:00 | | | | | | Bus Transfer from Hotel Kübler to KIT C.N. | | |
| 9:00 | 0:30 | 9:30 | Virginia Phifer | 407 | HTS4Fusion_18 | Amemiya, Naoyuki | Kyoto University | Low magnetization loss being compatible with robustness against local defect and local normal transition in spiral copper-plated striated coated-conductor (SCSC) cables | | |
| 9:30 | 0:30 | 10:00 | Satoshi Ito | 430 | HTS4Fusion_19 | Soloviov, Mykola | Institute of Electrical Engineering, Slovak Academy of Sciences | Magnetization AC losses of multilayer superconducting round cables with coinciding and opposite lay angles | | |
| 10:00 | 0:20 | 10:20 | | | | | | Cofee-Break | | |
| 10:20 | 0:30 | 10:50 | Zach Hartwig | 450 | HTS4Fusion_20 | Zappatore, Andrea | Politecnico di Torino, Dipartimento energia | Modelling of hysteresis losses in HTS Cable-in-Conduit Conductors for large scale applications | | |
| 10:50 | 0:30 | 11:20 | Jan Jaroszynski | 444 | HTS4Fusion_21 | Torsello, Daniele | Politecnico di Torino, Dep. Appl. Sci. & Techn. and Istituto Naz. di Fisica Nucleare | Expected radiation environment and damage for YBCO tapes in compact fusion reactors | | |
| 11:20 | 0:30 | 11:50 | Walter Fietz | | | All | | Wrap-Up, Conclusions and Farewell | | |
| 11:50 | 0:35 | 12:25 | | | | | | Lunch package available | | |
| 12:35 | 0:40 | 13:15 | | | | | | Bus Transfer from KIT C.N. to Hotel Kübler | | |
| 14:15 | 0:40 | 14:55 | | | | | | Bus Transfer from Hotel Kübler to Karlsruhe Main Station (20 min waiting time at hotel Kübler to pick up luggage) | | |