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EUCAS 2021 The 15th European Conference on Applied Superconductivity

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University of Oxford Susannah Speller “Latest development in superconducting materials” ） 对 可

召 Universit é Savoie Mont Blanc Pascal Febvre “Superconducting electronics and quantum computation” Seoul National University Seungyong Hahn “High-temperature superconductor magnet technologies design and operational issues” ） Homogeneous Magnet Design and Analysis for NMR and MRI） NMR

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Sergey Samoylenkov Innovative coated conductors from SuperOx for

power applications John Durell Bulk superconductors and their applications）present and future Karl Berggren Looking forward from twenty years of superconducting single-photon detectors
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HTS fusion conductor from aligned stacks transposed in Roebel arrangement (ASTRA)） ASTRA 对 关 对 Current-Carrying Capability and Magnetic Behavior of the HTS Twisted Stacked-Tape Conductor Cable for the Compact Fusion Reactor） 召 上 TSTC 对对
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Conceptual Design studies of an HTS insert for the DTT Central Solenoid） DIT 个 HTS 对 Subscale HTS fusion conductor fabrication and testing in high magnetic background field） HTS CroCo 对 对 ）平 Manufacturing technologies for cost effective HTS coils and magnet systems） 对
Co-wound superconducting wire for quench detection in fusion magnets） 对 个
The feasibility design study and cold test of the first model of HTS cable with the longitudinal magnetic field effect） 交 后 ）
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后 7%） 77 K 后 600 MPa
Development, adjustment and implementation of the HTS Transmission Cable Line (2.4 Km) in St. Petersburg DEMO200 Concept and Design of a Superconducting 200kA DC Busbar Demonstrator for Application in an Aluminum Smelter A study on the actual application of superconducting cables to the network-Studies for short circuit fault and ground fault Demagnetizing of magnetic cloak by use of dynamic magnetoresistance Development of a low-AC-loss and robust HTS cable: SCSC cable (Spiral Copper-plated Striated Coated-conductor cable) Portable, desktop high-field magnet systems using bulk high-temperature superconductors Novel high-temperature superconducting coatings for large scale microwave applications ）介个
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