

# IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY

## SUBJECT CATEGORIES FOR ARTICLE NUMBERING

### Sponsoring Societies

<i>Magnetics</i>	<i>Communications</i>	<i>Electron Devices</i>	<i>Dielectrics &amp; Electrical</i>	<i>Ultrasonics, Ferroelectrics, &amp; Frequency Control</i>
R. B. GOLDFARB	E. TRACK	D. GUPTA	<i>Insulation</i>	I. GAPONENKO
A. F. ZELLER	J. SPARGO	S. HOLMES	H. OKUBO	<i>Electronics Packaging</i>
			D. SWAFFIELD	M. AOYAGI
<i>Reliability</i>	<i>Power &amp; Energy</i>	<i>Microwave Theory &amp; Techniques</i>	<i>Instrumentation &amp; Measurement</i>	<i>Computer</i>
D. DOYLE	W. V. HASSENZAHL	D. OATES	S. BENZ	E. DEBENEDICTIS
A. STAVROU	B. JOHNSON	R. R. MANSOUR		

In 2012, the IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY began incorporating article numbering to each article. The article number consists of the following seven digits: the first two digits represent the subject category (see below); the next three digits represent the order of articles within each category; and the last two digits represent the number of pages for each individual article.

#### *Front Material*

- 00 Covers and Tables of Contents
- 01 Editorial
- 02 Conference
- 03 Awards
- 04 Memoriam
- 05 Special topics
- 06 Topics related to conferences

#### *Superconducting Electronics*

- 11 Device and circuit fabrication
- 12 Packaging and systems integration
- 13 Digital circuits
- 14 Mixed signal circuits (analog + digital)
- 15 Microwave devices and components
- 16 SQUID designs and applications
- 17 Superconducting circuits for quantum information processing
- 18 Novel electronics

#### *Superconducting Detectors*

- 21 Transition-edge sensors (TES) devices
- 22 Nanowire single-photon detectors
- 23 Other equilibrium (thermal) detectors (e.g., SNS, penetration-depth)
- 24 Other non-equilibrium (non-thermal) detectors (e.g., SIS, MKID)
- 25 Instrumentation and readout of superconducting detectors

#### *Large Systems*

- 35 Superconducting RF
- 36 Levitation, transportation, and propulsion
- 37 Magnetic separation and other applications
- 38 Superconducting and system integration

#### *Superconducting Magnets*

- 40 Accelerator magnets: dipoles, quadrupoles, correctors
- 41 Accelerator magnets: wigglers, undulators, special magnets
- 42 Fusion magnets
- 43 Very high field and NMR magnets (solenoids, inserts, hybrid)
- 44 Magnets for medical systems
- 45 Detector magnets
- 46 HTS magnets
- 47 Magnet stability, magnetization effects, AC losses and protection
- 48 Cables and current leads
- 49 Magnet design and analysis techniques

#### *Superconducting Electric Power*

- 50 General power gear
- 52 Motors, generators, and other rotating machines
- 54 Transmission and distribution
- 55 Transformers
- 56 Fault-current limiters
- 57 Energy storage
- 59 AC loss

#### *Conductors*

- 60 Niobium-based wires and tapes
- 62 MgB<sub>2</sub> wires and tapes
- 64 Bi-oxide wires and tape
- 66 Coated conductors
- 68 Bulk conductors
- 69 Other wires and tapes

#### *Materials Important for Applications*

- 70 General materials R&D
- 71 Metals and simple compounds
- 72 Cuprates
- 73 Pnictides
- 74 New materials
- 75 Thin films and multilayers
- 77 Insulation
- 78 Other ancillary materials

#### *Properties Important for Applications*

- 80 Critical current and flux pinning
- 82 Magnetization and time-dependent losses
- 84 Mechanical properties, strain dependence
- 86 Critical temperature and critical fields
- 88 Other properties

#### *Measurement and Testing*

- 90 Measurements and techniques
- 95 Test facilities and instrumentation

#### *Back Material*

- 96 Comments
- 97 Corrections/Errata
- 98 Other
- 99 Announcements