Table 1: Topical Categories and Scope of the IEEJ Transactions

Society Transaction	Scope	
Transactions A (Fundamentals and Materials)	(Common Interests) Education and Research Electromagnetic Theory Electromagnetic Environment Instrument and Measurement Light Applications and Visual Science History of Electrical Engineering (Fundamentals) Discharges and Plasma Pulsed Power	(Materials) Dielectric Materials Electrical, Electronics, and Insulating Materials Metals and Ceramics Magnetics
Transactions B (Power and Energy)	(Power System) Power System Planning and Operation Power System Control Power System Analysis and Simulation Power System Protection Power System monitoring and Control Energy System	(Energy Conversion and Transmission) Transmission and Distribution Lines and Cables Transmission and Distribution Apparatus, Insulators Switchgear and Protective Devices, Lightning Protection, Arc Phenomena Substation Apparatus and Devices Superconducting Devices High Voltage, Lightning and Surge Energy Conversion and Storage Other Power System Apparatus
Transactions C (Electronics, Information and Systems)	(Electronics) Electronic Materials and Devices Optics, Quantum Electronics Electrical and Electronic Circuit, LSI Information and Communication Technology Biomedical Engineering	(Information and Systems Engineering) Systems, Instrument, Control Intelligence, Robotics Media Information, User Interface Speech and Image Processing, Recognition Softcomputing, Machine Learning Information System, Electronic Commerce Information Processing, Software Energy, Environment and Sustainability (Common Interests) IoT, AI, Big data

Society Transaction	Scope	
Transactions D (Industry Applications) IEEJ Journal of Industry Applications	(Power Electronics) Power Semiconductor Devices and their Application Power Converter and Control Circuit Topology Power Supply Electric Machine Control Reactive Power Compensation and Harmonic Reduction Metal and General Industry (Industrial System) Industrial Instrument and Control Production Facility Control Information Oriented Industrial System Public Facilities Automobile Technology ITS Technology	(Electrical Machinery and Apparatus) Rotating Machine Rotating Machine Characteristic Linear Drives Magnetic Levitation and Magnetic Bearing Static Apparatus Superconductive Application Electric Railway
Transactions E (Sensors and Micromachines)	(Fundamental technology) Design, Analysis, Simulation Materials for sensors and actuators Material evaluation, Device evaluation Fabrication technologies Packaging and assembling technologies (Microsystem) Actuators Optical micro/nanosystems RF MEMS Power MEMS NEMS Wearable devices Plasmon, Metamaterials (Sensor system) Sensing systems Sensing algorithms Sensor network Integrated MEMS devices Signal processing, drive circuit in devices IoT (Internet of Things) AI (Artificial Intelligence) Infrastructure monitoring Sensors for robots and mobilities	(Physical sensor) Mechanical sensors Temperature sensors, humidity sensors Optical sensors, Radiation sensors Electric sensors, Magnetic sensors Resonant sensors New principle sensors Extreme environment sensors (Chemical sensor) Gas sensors Ion sensors Bio-sensors Taste sensor, Odor/smell sensor, Kansei sensor Micro chemical sensors Chemical sensor systems Chemometrics, Signal processing Gustatory display, Olfactory display (Bio micro system) Bio MEMS MicroTAS Lab on a chip Medical microsystem Microfluidics Biochemical microdevices Microfabrication process of biomaterials Nanobiodevices Healthcare devices

TEEE (IEEJ Transactions on Electrical and Electronic Engineering)	Covering all fields from Transaction A to E described above.