[한국원자력학회 학술발표회 논문 분야코드] (07.11)

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| **대분야코드** | **대분야** | **소분야코드** | **소분야** |
| 1 | Division of Reactor System Technology | 1.1  1.2  1.3  1.4  1.5  1.6  1.7 | Large Pressurized Water Reactor System Technology  Small and Medium Pressurized Water Reactor System Technology  Heavy Water Reactor System Technology  Liquid Metal Reactor System Technology  High-Temperature Gas-Cooled Reactor System Technology  Research Reactor System Technology  Nuclear Reactor System Regulation Technology |
| 2 | Division of Reactor Physics and Computational Science | 2.1  2.2  2.3  2.4  2.5 | Reactor Physics/Test․Validation  Fuel Management and Fuel Cycle  Computational Science/Computer Simulation  Nuclear Data  Advanced Reactor Nuclear Design |
| 3 | Division of Back-End Nuclear Fuel Cycle | 3.1  3.2  3.3  3.4  3.5 | Radioactive Waste Treatment  Radioactive Waste Disposal  Decontamination and Decommissioning  Spent Fuel Management  Radiochemistry |
| 4 | Division of Nuclear Fuel and Materials | 4.1  4.2  4.3  4.4  4.5  4.6 | Fuel Design and Fabrication  Fuel Performance  Fuel Test and Evaluation  Nuclear Materials Reliability and Degradation  Nuclear Materials Development  Structural Integrity of Nuclear Components |
| 5 | Division of Nuclear Thermal Hydraulics | 5.1  5.2  5.3  5.4 | Thermal Hydraulic Experiment  Thermal Hydraulic Analysis  Safety Analysis Issues  Advanced Thermal Hydraulics |
| 6 | Division of Nuclear Safety | 6.1  6.2  6.3  6.4 | Risk and Safety Assessment  Severe Accident  Safety Issue and Risk informed Regulation  Disaster Analysis/Assessment |
| 7 | Division of Radiation Protection | 7.1  7.2  7.3  7.4  7.5 | Radiation Protection and Dosimetry  Radiation Shielding and Facility Operation  Environmental Impact Assessment and Measurement of Environmental Radiation Emergency Response to Radiological Accident  Radiation Medicine and Biological Effect |
| 8 | Division of Radiation Utilization and Instrumentation | 8.1  8.2  8.3  8.4 | Radiation Instrumentation  Radioisotope Production and Application  Neutron Beam Application  Radiation Processing and Bioengineering |
| 9 | Division of Quantum Engineering and Nuclear Fusion | 9.1  9.2  9.3  9.4 | Particle Accelerator Engineering  Optics and Laser Engineering  Nuclear Fusion and Plasma Technology  Radiation Generator Technology |
| 10 | Division of Nuclear Power Plant construction and Operation Technology | 10.1  10.2  10.3  10.4  10.5  10.6 | Siting and Construction  Operation, Maintenance, Aging Management  Plant Design & Manufacturing  Plant Water Chemistry  Seismic and External Hazard  Structural Analysis |
| 11 | Division of Nuclear Policy, Human Resources and Cooperation | 11.1  11.2  11.3  11.4  11.5  11.6 | Nuclear Human Resources Development  Cooperation and Communication  Nuclear Non-Proliferation and Security  Energy Policy  Nuclear Law and Safety Regulation  Nuclear Energy Policy |
| 12 | Division of Nuclear I&C, Human Factors and Automatic Remote Systems | 12.1  12.2  12.3  12.4  12.5  12.6  12.7 | Operation and Simulation  Instrumentation and Control  Human Machine Interface and Human Factors Engineering  Reliability and Verification/Validation  Automatic Remote Systems and Robotics  Condition Monitoring and Maintenance  Nuclear Cyber Security |