

## Status of SOFC R&D at RIST/POSCOPOWER

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Solid Oxide Fuel Cell(SOFC) has many application areas from the micro-power supplier of several watts to the centralized power plant of several hundreds of mega-watts. POSCOPOWER, a subsidiary company of POSCO for electricity generation, has started their fuel cell business with MCFC at first, and is now conducting an active R&D program for SOFC. RIST/POSCOPOWER is aiming the development of SOFC stack and system for the application areas of dispersed generation(DG) from several kilo-watts to a mega-watts scale. The scope of R&D includes the large area cell fabrication (up to 1,000 cm<sup>2</sup>), the design and alloy development for the interconnects, and high performance stacks and systems. In this presentation, the achievements and status of SOFC R&D at RIST/POSCOPOWER will be addressed.