## Oral Presentation

[FLX6]Advanced Process and Evaluation for Flexible Electronics Chair: Tadahiro Furukawa (Yamagata University) Co-Chair: Akira Nakazawa (AGC Inc.) Fri. Nov 29, 2019 3:00 PM - 4:00 PM Room 204 (2F)

## 3:00 PM - 3:25 PM [FLX6-1(Invited)]Solution-Processing of Inorganic and Hybrid Materials for High Performance Flexible Electronics

\*Myung-Gil Kim<sup>1</sup> (1. Sungkyunkwan University (Korea)) Keywords:Hybrid Material, Solution Processing, Thin-film Transistor, Metal Chalcogenide

To improve the electrical properties in solution-processed high-performance, large-area flexible electronics, we employed hybrid structures of a multifunctional organic-semiconductor/amorphous oxide semiconductor, nanomaterials/amorphous oxide semiconductors, and chaclo-gel. With the novel hybrid structures and new processing strategy, we could demonstrate enhancement of mobility, electrical stability, and exceptional mechanical stability.