

## Symposium 9: Energy-efficient Printing and Additive Manufacturing Processes

**February 26 (THU)**

Time	Program	
	[S9-1] Energy-efficient Printing and Additive Manufacturing Processes	
	Chair: Chung, Jaewon (Korea University)	
13:30-14:00	[2114322] Fabrication of OLED with Every Layer Fabricated Through Different Printing Technique	Choi, Kyung (Jeju National University)
14:00-14:20	[2114362] Fully Roll-to-Roll Gravure Printed Flexible Thin Film Transistor Backplane	Lee, Wookyu (Suncheon National University)
14:20-14:50	[2131279] Drop on demand printing using electrohydrodynamic (EHD) jet	Kwon, Kye Si (Soonchunhyang University)
14:50-15:10	[2109423] Fully printed anisotropic magnetoresistive sensor for azimuth and curvature degree detecting	Junfeng, Sun (Suncheon National University)
15:10-15:40	[2125511] Nanowelding of silver nanowire junctions induced by addition of TiO <sub>2</sub> :Cs	Lee, Hoo-Jeong (Sungkyunkwan University)

Time	Program	
	[S9-2] Energy-efficient Printing and Additive Manufacturing Processes	
	Chair: Lee, Hoo-Jeong (Sungkyunkwan Univ.)	
15:50-16:20	[2111661] Electro-hydrodynamic oscillation and jetting on demand and oscillation	Chung, Jaewon (Korea University)
16:20-16:40	[2111556] Solvothermal synthesis and photoluminescence properties of nanocrystalline GdVO <sub>4</sub> :Eu <sup>3+</sup> phosphors	Pudkon, Watcharapong (Chiang mai university)
16:40-17:00	[2114082] Synthesis Granular Composite From Nickel Micro-Powder and Polymer Components for Application in Making 3D Printing Materials	Nguyen, Minh Thuyet (University of Ulsan)
17:00-17:30	[2127116] Foldable Paper Electronics Fabricated using Inkjet Printing	KANG, Kyung-Tae (Korea Institute of Industrial Technology)
17:30-18:00	[2114085] Review of Aqueous Based Cu Nanoparticle Ink for Highly Conductive patterns on Polyimide film	Ryu, Beyong-Hwan (Korea Research Institute of Chemical Technology)

**February 27 (FRI)**

Time	Program	
	[S9-3] Energy-efficient Printing and Additive Manufacturing Processes	
	Chair: Choi, Ju Hwan (KETI)	
09:00-09:30	[2140653] Energy efficiency by low temperature chemical solution deposition of multimetal oxides: potential and limitations	Hardy, An (Hasselt University & imec division imomec)
09:30-10:00	[2114101] Interface engineering of printable solar cells	Kim, Seok-Soon (Kunsan National University)
10:00-10:30	[2114598] Chemical solution deposition of oxides for energy applications	Bael, Marlies Van (Hasselt University & imec division imomec)