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| <b>Session Code</b>     | <b>[02] FrC1</b>  |
| <b>Session Title</b>    | Materials and Devices for Displays and Optoelectronics 13 |
| <b>Date and Time</b>    | Friday, October 8, 2021 / 10:40-12:05                     |
| <b>Session Room</b>     | Room C (301)  |
| <b>Session Chair(s)</b> | Mac Kim (KRICT, Korea)                                    |

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**[[02] FrC1-1] Invited Talk** **10:40-11:05**

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Plasma-Polymerized Fluorocarbon Thin Film with Low-Refractive-Index for Displays and Optoelectronics

Eunmi Cho, Mac Kim, and Sang-Jin Lee (*KRICT, Korea*)

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**[[02] FrC1-2]** **11:05-11:20**

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Ultra-High Mobility Transistors with Top-Gate Structure via Aluminum Metal Layer

Ji-Min Park and Hyun-Suk Kim (*Chungnam Nat'l Univ., Korea*)

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**[[02] FrC1-3]** **11:20-11:35**

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3D Printed Functional Materials for Optoelectronic Applications

Sung Hyun Park (*KITECH, Korea*), Ruitao Su (*Univ. of Minnesota, USA*), and Hyung-Chan Kim (*KITECH, Korea*)

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**[[02] FrC1-4]** **11:35-11:50**

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High-Performance Indium-Gallium-Tin Oxide Thin-Film Transistor with Al<sub>2</sub>O<sub>3</sub> Gate Dielectric via Plasma-Enhanced ALD at the Low Temperature

Jae Kyeong Jeong, Cheol Hee Choi, and Minhoe Cho (*Hanyang Univ., Korea*)

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**[[02] FrC1-5]** **11:50-12:05**

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Highly Transparent Artificial Neural Devices based on ZnO/NiO Heterojunction

Jaeseong Lim, Hyobin Choi, Heecheol Shin, Yeonghwan Ahn, Wanggon Lee, and Hyungtak Seo (*Ajou Univ., Korea*)