### VI. Technical Program | 3. Technical Session

**October 3 – 8, 2021 / Hybrid Conference in ICC Jeju, Korea**

<table>
<thead>
<tr>
<th>Session Code</th>
<th>[04] TuI2</th>
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<tr>
<td><strong>Session Title</strong></td>
<td>Wearable Bioelectronics 2</td>
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<tr>
<td><strong>Date and Time</strong></td>
<td>Tuesday, October 5, 2021 / 14:00-15:35</td>
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<td><strong>Session Room</strong></td>
<td>Room I (203)</td>
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<tr>
<td><strong>Session Chair(s)</strong></td>
<td>Jae-Woong Jeong (KAIST, Korea)</td>
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#### [04] TuI2-1 Invited Talk

**[Online] 14:00-14:25**

Smart and Connected Soft Bioelectronics for Advancing Human Healthcare

W. Hong Yeo *(Georgia Tech., USA)*

#### [04] TuI2-2 Invited Talk

**[Online] 14:25-14:50**

Miniatuerized, Flexible Electronic Systems for Medical Devices

Kyeongha Kwon *(KAIST, Korea)*

#### [04] TuI2-3

**14:50-15:05**

3D Printing of Carbon, Metallic and Magnetic Polymer Nanocomposite Inks for Functional Microarchitectures

Muhammad Wajahat *(KERI, Korea and Univ. of Sci. and Tech., Korea)*, Ho Hyung Sim, Jinhyuck Ahn, Jung Hyun Kim, Seonghyeon Kim, Jongcheon Bae, Jaeyeon Pyo *(KERI, Korea)*, and Seung Kwon Seol *(KERI, Korea and Univ. of Sci. and Tech., Korea)*

#### [04] TuI2-4

**15:05-15:20**

Single-Crystalline-Silicon-Based Stretchable Strain Sensor and Deep-Learning-Based Strain-to-Word Conversion Algorithm for Silent Communication System

Ki Jun Yu, Taemin Kim, Kyowon Kang, Kiho Kim, and Gwanho Kim *(Yonsei Univ., Korea)*

#### [04] TuI2-5

**15:20-15:35**

Percolated Pd Nanoparticle Systems Embedded in Elastomeric Fibers for Sensitive and Stretchable Multi-Sensing Sensor

Chihyeong Won and Taeyoone Lee *(Yonsei Univ., Korea)*