
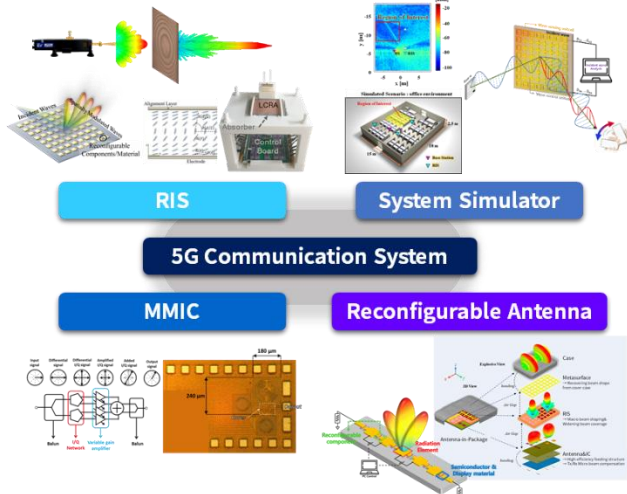


Exhibitor Introduction

| Name of Company | <i>Radio Research Center for 6G Intelligent Antenna Innovation, Seoul National University</i> | Company Logo |
|------------------------|---|---|
| President | <i>Jungsuek Oh</i> |  |
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| Tel. | <i>02-880-1815</i> | |
| Contents of Exhibit | <i>5G/6G RIS (Reconfigurable Intelligent Surface), HA (Holographic Antenna)</i> | |
| Exhibitor Introduction | <p style="text-align: center;"><i>Research Topics</i></p>  <p><i>The proposed product is an RF module that overcomes various communication limitations, based on new 5G/6G semiconductor/display materials and 3D antenna technology. Unlike commercial diode products with fixed size and performance, this module maximizes antenna performance by implementing multiple elements simultaneously through semiconductor/display materials and customizing the production process to the desired size. Additionally, by optimizing the manufacturing process, the performance of the semiconductor/display materials is enhanced, enabling ultra-fast and ultra-low-power operation for RIS and holographic antennas. Moreover, by producing the RF module using the most basic semiconductor/display processes, the production costs are significantly reduced, allowing for mass production and making a substantial impact on the industry. The proposed RF module and antenna technology can also be designed with embedded semiconductor/display materials, suggesting the potential for manufacturing stacked RIS and holographic antennas in the future.</i></p> | |