

## Special Issue

# Passive Planar Microwave Devices

### Message from the Guest Editors

Passive planar circuits play a key role in many RF/microwave applications, such as wireless communications, medical instrumentation, and remote sensing. Planar technologies were born during World War II but their use did not become popular until the 1960s. Since then, the use of classical planar structures, such as striplines, microstrips, and coplanar waveguides, in high-frequency applications has drastically increased, becoming indispensable elements if devices with low weight and low cost are critical. Even today, new planar technologies are still being investigated and developed as evidenced by the most recent Substrate-Integrated Waveguide (SIW) structure. This Special Issue is focused on highlighting recent contributions on microwave devices developed on planar technologies, and encourages original contributions related, but not limited to, the following topics: 1. two-port circuits, such as filters; 2. multiport circuits, such as dividers, combiners, couplers, and multiplexers; 3. microwave sensors; and 4. antennas. **Keywords:** microwave; microstrip; stripline; coplanar waveguide; substrate-integrated waveguide (SIW); planar circuit; antenna; sensing.

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### Guest Editors

Dr. Armando Fernandez-Prieto

Microwaves group, Dpto Electrónica y Electromagnetismo, Facultad de Física, Universidad de Sevilla, Seville, Spain

Dr. Alejandro Javier Martinez-Ros

Microwaves group, Dpto Física Aplicada I, Universidad de Sevilla, Seville, Spain

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### Deadline for manuscript submissions

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## Applied Sciences

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*Applied Sciences*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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