Special Issue

LTCC for Space, Imaging, Telecommunication, and Medical Applications

Message from the Guest Editor

Since the late seventies, low-temperature co-fired ceramics (LTCCs) have proven their functionality in different areas such as electronics, microfluidics, and sensor devices. Even though this type of material is now well known, scientists and research engineers keep elaborating new compositions for specific usages such as high dielectric material for further miniaturization of microwave devices, lower loss material for better high frequency results tending towards the THz range, printable material for 3D integration, ferromagnetic material for circulators and isolators, and others. Manufacturing methods and parameters have been revisited, and techniques such as 3D and ink jet printing, embossing, and laser cutting are elaborated to enhance the scope of LTCC usage. This Special Issue concerns the latest developments and accomplishments in LTCC on the subjects of preparation of the LTCC material itself, and manufacturing procedures and design strategies for devices intended for, but not limited to, space, imaging, telecommunication, and medical applications. Welcome to contribute.

Guest Editor

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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