



INTERNATIONAL  
MICROWAVE POWER  
INSTITUTE

Special Session on  
**THz Technology and Applications**  
at the 58<sup>th</sup> Symposium of the  
International Microwave Power Institute:  
**Call for Papers**

The International Microwave Power Institute (IMPI) comprises scientists, engineers, managers and marketers, who research, develop, manufacture, sell or use devices or systems that generate or use electromagnetic energy throughout the radio frequency (RF) spectrum, from 10 kHz to 100 THz. While much of IMPI's interest is directed towards heating food with microwave power (e.g. at 910 or 2450 MHz), the institute's interest includes a range of applications including material processing, microwave chemistry, elementary particle acceleration, plasma generation, material characterization and agriculture, to name a few, but excluding communications.

The 58<sup>th</sup> Symposium of the International Microwave Power Institute (IMPI 58 near Washington DC, 29-31 May 2024) will feature a special session on THz Technology and Applications. The THz region of the spectrum, from 0.1 to 100 THz, is the new and challenging frontier for RF applications, and often combines electronic techniques that are characteristic of the lower RF frequencies, with quasi-optical techniques characteristic of the infrared spectral region. We are soliciting papers dealing with techniques for generating, transmitting, controlling, and measuring THz radiation, and its applications (excluding communications) including, but not limited to imaging, remote sensing, medical and dental diagnostics, manufacturing, materials, and electronics.

Further details about IMPI 58 can be found at [2024 Call for Papers IMPI58.pdf](#). Please submit a 1-3 summary of your proposed talk by 19 January 2024, following the instructions in the above link and indicate that your submission is intended for the THz special session.