

# **Webinar: Solid State Generator Technologies as well as Relevant Plasma-based Applications**

**April 8, 2021  
10:00am-11:30am EDT**

**Instructors: Mohammad Kamarehi, Francesco Braghioli  
Maurizio Nerbano, Francesco Garuti**

<sup>1</sup>MKS Instruments / P&RGS, Wilmington, USA

<sup>2</sup>MKS Instruments / Alter Products, Reggio Emilia, Italy

<sup>3</sup>MKS Instruments / Alter Products, Reggio Emilia, Italy

<sup>4</sup>MKS Instruments / Alter Products, Reggio Emilia, Italy

This Webinar is intended to present and discuss the development of Solid State-based generator technology in general, and in particular, at MKS Instruments. In addition to the Solid State generator technology which has been under constant and evolving development, targeting customer's and marketing needs over the past several years, MKS has been also developing advanced plasma-based technologies utilizing such generators...

The Webinar Presentation will address the Solid State generator design of various topologies, using the available Solid-State power devices offered by Solid-State Device manufacturers, and in particular, what design topologies MKS has adopted in development of 2,450 MHz / 2kW and 915 MHz / 22kW...

Furthermore, the presentation will also convey new and advanced Plasma-based applications and products developed by MKS utilizing such Solid-State generators... These new applications and products will allow various in-situ parameter changes including, frequency, phase, and power tuning...

The length of the presentation is expected to be 1 hour & 15 minutes with additional 15 minutes allotted for Q&A...