

# MML, Solid State Oven Interoperability and The Meta Verse

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## **ABSTRACT**

This brief workshop intends to present the latest understanding of the merits of magnetron- vs. solid state based microwave generation and the technologies' respective application sweet spots. John Gerling will compare the technologies with respect to power, efficiency, cost and control. Insights on how to utilize for best results the high-fidelity control possible with solid state sources will be given by Klaus Werner for different target applications at grossly different scale and process complexity. Steven Drucker will further develop and utilize the high-precision heating capability of solid state systems through the microwave markup language (MML), which enables (amongst others) reproducible re-heating and cooking of consumer packaged goods meals. At least, food safety can be guaranteed, but the real benefit lies in the achievable superb user experience of "push button get food".