



# PHOTONICS LECTURE – TRR 142

TUESDAY, 5 SEPTEMBER 2023 | 15:00 H

**DR. ILEANA-CRISTINA BENEACHELMUS**

LECTURE HALL A.1

## On-Chip Nonlinear Photonics for Terahertz Applications

Terahertz technologies are on the rise, with applications in communications, sensing, and fundamental sciences. In this talk, I highlight opportunities in metrology and waveform synthesis from hybrid optical-terahertz waveguides with second and third order nonlinearities.



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