Special Session: Scattering Management with Metamaterials and High-index Composites
Organizer: Pavel Ginzburg

Interaction of the electromagnetic waves with matter has been a subject of intensive fundamental and applied studies over the years. Since Maxwell's equations were proven to describe classical phenomena in a closed form, research efforts shifted toward more applied directions.

The session comes to highlight new achievements in in the field electromagnetic scattering and related applications, including:

- New composite materials (metamaterials)
- High index materials
- RFID
- Radars and Radar deception
- MRI
- Super directivity and super scattering