

## Research Interests

### PARTICIPANTS' AREAS OF RESEARCH AND TECHNICAL WORK

*	Committee Member
**	Speaker

*Aref Chowdhury, Alcatel-Lucent/Bell Labs*



My research specialization is in the area of nonlinear optics with particular emphasis in nonlinear properties of negative refractive index metamaterials, nonlinear frequency conversion in ferroelectrics and semiconductors, and optical phase conjugation for nonlinearity compensation in high-speed and ultra long-haul optical fiber communication systems.