



Università  
degli Studi  
della Campania  
*Luigi Vanvitelli*

# Advanced Computational Electromagnetics

**Professor Qing Huo Liu**

**Duke University**

10,14,17,21 October  
On Teams (link below)  
15:30 - 17:30

## Topics:

- Basics of Electromagnetics and Vector Helmholtz Equation
- FDTD Method and Pseudospectral Time Domain (PSTD) Method
- Finite Element Method and Spectral Element Method (SEM)
- Spectral Element Time Domain (SETD) Method
- Surface Equivalent Principle and Method of Moments
- Spectral Integral Method (SIM)
- BCGS-FFT Method for Volume Integral Equations
- Inverse Scattering Methods

Click on link :

<https://teams.microsoft.com/l/team/19%3aj6FXEC8nZATu0SDDkN84ucyKd7asZdHJOJkz4-4R75U1%40thread.tacv2/conversations?groupId=1fe4e6ca-15c1-475f-8c45-116bfc94884d&tenantId=8f547aef-14d7-49ca-a4d4-51a6c5cb92c1>