





Outline

- Background
- High Impedance Surfaces (realization // applications)
- Theoretical aspect of the analysis of (2D) periodic structures
 - **Dispersion Diagram** (DD) ➡
 - *Dispersion engineering of novel geometries* (with applications)
 - **Passive structures**
 - ✓ Filtering // Parallel plate noise reduction
 - ✓ Scaling
 - ✓ Magnetic materials (anisotropy)
 - **Active structures**
 - ✓ Biasing solutions (anisotropy)
 - ✓ Switched Surfaces





