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

Temuco, May 14, 2013