

# EURIPIDES Forum 2010 in Paris

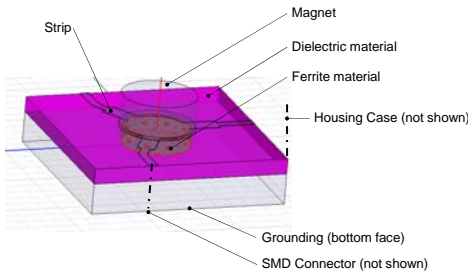
September 30<sup>th</sup> – October 1<sup>st</sup>, 2010 in Paris

## IMICIMO

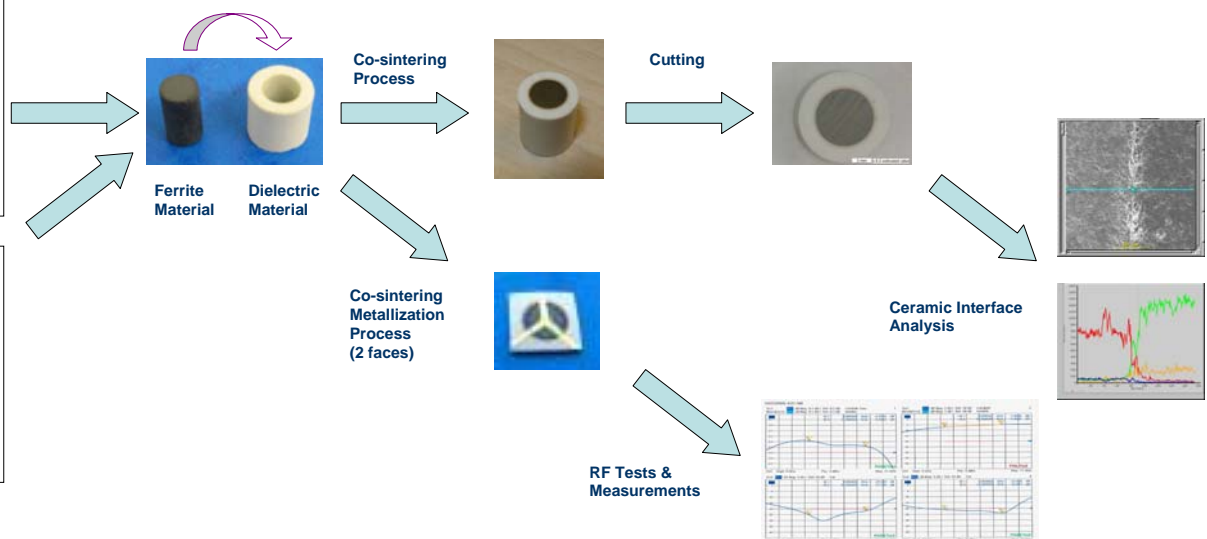
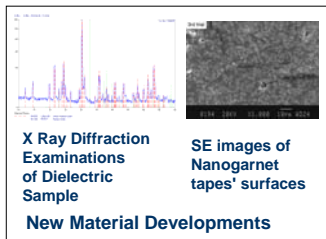
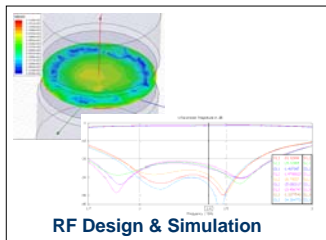
Integrated Miniature Circulators for microwave Modules

### Targets:

- ◆ New materials and manufacturing technologies for microwave ferrite circulators and isolators
  - Reduction of the device size, weight and cost
  - Facilitate integration and packaging in mobile telecommunication equipment of new generation
  - Low cost and high volume reproducibility
- ◆ Low temperature co-fired systems (LTCC) for low cost, multi-layer ferrite device structures, integration of ferrite devices with active semiconductor and/or advanced microwave interconnection and packaging techniques for future large volume mm-wave applications.
- ◆ Set up an high-efficiency European supply chain of microwave ferrite components



Circulator Design Simulation with Co-sintered Materials



**Fields of Application:** Microwave Transmit/Receive modules for Radars and Telecom applications

**Duration:** 36 months

**Partners:**

	<b>Cobham Microwave</b>	France
	<b>Thales Research &amp; Technologies</b>	France
	<b>Thales Systèmes Aéroportés</b>	France
	<b>LABORATORY of Sciences and Technologies for Information, Communication and knowledge (Lab-STICC UMR CNRS 3192)</b>	France
	<b>Temex Ceramics</b>	France
	<b>TKI-Ferrit Development and Manufacturing Ltd.</b>	Hungary
	<b>Budapest University of Technology and Economics</b>	Hungary
	<b>Pro Patria Electronics</b>	Hungary
	<b>Jožef Stefan Institute</b>	Slovenia
	<b>Keko Equipment</b>	Slovenia
	<b>Telecommunication Research Institute (PIT)</b>	Poland

