

HINTS

Title:	Next Generation Hybrid Interfaces for Spintronic Applications
Acronym:	HINTS
Duration:	01/06/2011 – 31/05/2014
Total cost:	€ 5.351.955
EU contribution:	€ 3.874.360
Programme acronym:	FP7-NMP
Subprogramme area:	NMP.2010.2.2-1
Contract type:	Small or medium-scale focused research project

Partners:

Coordinator:

- ✓ CONSIGLIO NAZIONALE DELLE RICERCHE - ITALY

Participants:

- ✓ QUEEN MARY AND WESTFIELD COLLEGE, UNIVERSITY OF LONDON - UNITED KINGDOM
- ✓ TECHNISCHE UNIVERSITÄT KAISERSLAUTERN – GERMANY
- ✓ LINKÖPINGS UNIVERSITET – FINLAND
- ✓ DR. EBERL MBE-KOMPONENTEN GMBH – GERMANY
- ✓ THE TRINITY COLLEGE – IRELAND
- ✓ MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG – GERMANY
- ✓ INSTITUT JOZEF STEFAN – SLOVENIA
- ✓ M-SOLV LTD – UNITED KINGDOM
- ✓ CENTRO DE INVESTIGACION COOPERATIVA EN NANOCIENCIAS – SPAIN
- ✓ UNIVERSITAT DE VALENCIA – SPAIN
- ✓ THALES SA – FRANCE
- ✓ CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE – France
- ✓ IN SRL – ITALY



Abstract:

The development of conceptually new materials following a The project HINTS faces these ICT challenges by combining naturally downscalable materials, organic semiconductors, with low energy consumption information processing via spintronic effects. More explicitly, the main objective of the proposal is developing novel hybrid organic-inorganic materials featuring interfaces with conceptually new electric and magnetic behaviour. The definition HINTS involves both academics and industrial partners focused on potential application, ensuring an effective exploitation of results.