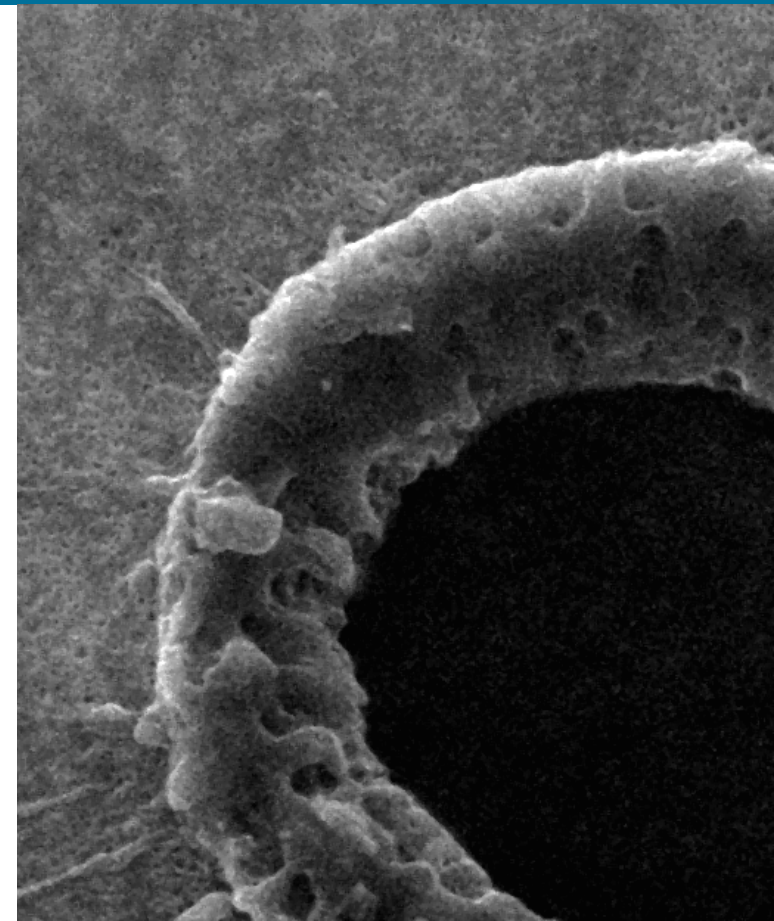


Hub of Application Laboratories for Equipment Assessment in Laser Based Manufacturing










- WP1.** Operation of the hub of application laboratories (RTD)
- WP2.** Assessment of the ps-laser for CIGS scribing
- WP3.** Assessment of the scribing technology for CIGS solar cell with ps-lasers
- WP4.** High-speed surface texturing by Lasers
- WP5.** Surface functionalization by laser texturing
- WP6.** Laser direct writing for flexible 3D electronics
- WP7.** Laser direct writing for flexible electronics and photovoltaics
- WP8.** On-line monitoring tools for laser-based technology assessment
- WP9.** Dissemination, training and exploitation
- WP10.** Project management and implementation of the Competitive calls
- WP11.** Implementation of assessment selected via competitive call

- **Collaborative project of 7th Framework Programme** (large integrated project)
- **Call:** FP7-2013-NMP-ICT-FOF Factories of the Future”
- **Objective:** FoF-ICT-2013.7.2 Equipment assessment for sensor and laser based applications
- EC Grant Agreement N° 609355
- **Start:** 01 September, 2013; End: 31 August, 2017
- **Project duration:** 48 months
- EC funding ~11 M Euro
- Consortium consists of 36 partners from 10 countries (LT, CH, DE, ES, FI, IS, IT, NL, BE, GR)
- Public research & universities 6
- Industrial research 1
- SMEs 22
- Large companies 7



PARTNERS

	Valstybinis mokslinių tyrimų institutas Fizinių ir technologijos mokslų centras (FTMC)
	Leibniz-Institut für Oberflächenmodifizierung (IOM), Germany.
	Berner Fachhochschule (BUAS), Switzerland.
	Lappeenranta teknillinen yliopisto (LUT), Finland.
	Universidad Politécnica de Madrid (UPM)
	Ekspla UAB (Ekspla)
	Lumentum
	OneFive GmbH (ONES)
	NeXT Scan Technology B.V. (NST)
	AMSYS Ltd. (AMS)
	ELAS UAB (ELAS)
	Lightmotif BV (LM)
	Eidgenössische Materialprüfungs- und Forschungsanstalt (EMPA)
	Centro Ricerche Fiat S.C.P.A (CRF)
	Daetwyler Graphics AG (DG)
	Abengoa Solar New Technologies (ASNT)
	Mondragon Assemby (MONA)

	Bioage SA (BIOA)
	Engage AG (ENG)
	FLISOM AG (FLISOM)
	Sächsische Walzengravur GmbH (SWG)
	SCANLAB GmbH
	SKF B.V.
	LaserSpec
	OSAI Automation Systems SPA
	It4ip
	Nanotypos
	IRIS SRL
	OPI Photonics SRL
	Robert Bosch GmbH
	General Electric
	MAIER S.Coop.
	LASING,S.A
	SISMA LASER
	LAC S.p.a.

PONT

PONT:
Breakthrough solutions in resonance NIR Laser texturing of polymers

PARTNERS:
- Laserspec SPRL (Belgium),
- OSAI Automation System SPA (Italy),
- it4ip SA (Belgium)
- FTMC (Lithuania)

- Polymer NIR Laser Resonance Texturing:
- Testing of a new genuine wavelength laser sources for polymer surface texturing;
 - Application of the new laser texturing process on bio-polymer coated implants;
 - Validation of high productivity and precision industrial process.

