NanoWorld AG

Short description:

NanoWorld AG is a world-known supplier of AFM and SPM tips and other consumables for AFM. The company has main competences in designing AFM tips, cantilevers and support chips according the needs of customers and with reliable manufacturing processes. Some of the unique products include self-actuating tips and tips for high speed scanning, enabling video making.

Partnership / cooperation possibilities:

The company is looking for new partnerships in new concepts of tip-based microscopy for analytical (characterization) tools. It will craft exactly that cantilever/tip-system which works best for the cantilever-based sensing application for new nanotechnology applications in science and industry. NanoWorld is highly interested in developing innovative, disruptive new technologies in the fields of piezo-self-sensing/self-actuating cantilevers, high-speed scanning with ultra-short cantilevers for atomic force microscopy. NanoWorld strives to develop technology for high-growth markets like healthcare (in-vivo tissue testing, sensors for bio/chemical compounds), life sciences (in-vivo, video-rate imaging at the molecular level with high-speed scanning) and environmental monitoring using new cantilever-based sensing concepts. Furthermore, it is intended to develop innovative tip features to access previously inaccessible features of the analytes (higher aspect ratios, sidewalls and corners) and to improve the ease of use of these technologies aiming at increasing the potential user base.

Possible H2020 calls (2016-2017):

NMBP-26-2016:	Analytical techniques and tools in support of nanomaterial risk assessment
PILOTS-01-2016:	Pilot lines for manufacturing of materials with customized thermal/electrical conductivity properties
ICT3 – 2016:	SSI – Smart System Integration
ICT29 – 2016:	Photonics KET 2016
PILOTS-03-2017:	Pilot Lines for Manufacturing of Nanotextured surfaces with mechanically enhanced properties
FoF 06-2017:	New product functionalities through advanced surface manufacturing processes for mass production
FOF 08-2017:	In-line measurement and control for micro-/nano-enabled high-volume manufacturing for enhanced reliability
PILOTS-04-2017:	Pilot Lines for 3D printed and/or injection moulded polymeric or ceramic microfluidic MEMS
FOF-13-2017:	Photonics Laser-based production
PILOTS-05-2017:	Paper-based electronics
ICT30 – 2017:	Photonics KET 2017
ICT31 – 2017:	Micro- and nanoelectronics technologies

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