

ICT – Collaborative Project

NANOBITS

Exchangeable and Customizable Scanning Probe Tips

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NANOBITS

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Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

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1. Summary description of the deliverable content and purpose

This deliverable lists the NanoBits publications from the first reporting period M1 – M12.

The published papers and other releases can also be found on the NanoBits website <http://www.nanobits-project.eu/index.php/nanobits-publications>.

In preparation of the project, 1 journal paper was published and in the first reporting period there were 3 conference papers and 1 press release.

2. Deliverable Report

2.1 Publications of first reporting period M1 – M12

- *Journal Paper:*

R.T. Rajendra Kumar, S.U. Hassan, O. Sardan, V. Eichhorn, F. Krohs, S. Fatikow, P. Bøggild: "Nanobits: customisable scanning probe tips", *Nanotechnology*, Vol. 20, No. 39, pp. 395703, 2009.

- *Conference Paper:*

V. Eichhorn, D. Jasper, F. Krohs, P. Bøggild, S. Fahlbusch, M. Oliva, O. Krause, H. Haschke and S. Fatikow: "NanoBits: Exchangeable and customizable scanning probe tips as a versatile tool for nanoscale applications", in *Proc. of the 7th International Workshop on Microfactories (IWMF 2010)*, Daejeon, Korea, 24-27 October, 2010.

M. Bartenwerfer, V. Eichhorn, D. Jasper, S. Fatikow, A. Savenko, D. H. Petersen, B. Malm, and P. Bøggild: "Automated Handling and Assembly of Customizable AFM-Tips", in *Proc. of the International Symposium on Assembly and Manufacturing (ISAM 2011)*, Tampere, Finland, 25-27 May 2011.

A. Savenko, P. Bøggild, B. Malm, D.H. Petersen, I. Yildiz, "High precision FIB fabrication of customizable AFM probes", in *Proc. of the 55th International Conference on Electron, Ion, and Photon Beam Technology and Nanofabrication (EIPBN-2011)*, Las Vegas, USA, May 31 - June 3 2011.

- *Press Release:*

NMN Materialkompass: Nano- und Materialinnovationen Niedersachsen, April 2011, page 10

http://www.nmn-ev.de/blobs/nmn_materialkompass.pdf?pb-id=wd124f9620f3643f7b3ed52cabe12bcef4a8624a54c