

MESA+

INSTITUTE FOR NANOTECHNOLOGY

FACTS & FIGURES 2015

2015 has been another special year for MESA+ with scientific breakthroughs, new and strengthened collaborations with industry and scientific partners. We have celebrated the anniversary of our excellent infrastructure: 5 years NanoLab and 25 years Cleanroom facilities at the University of Twente. We are proud to have reinforced our position in cutting-edge research and to keep harvesting the societal and economic potential of key enabling technologies like nanotechnology. This sheet gives an overview of our most recent results.

MESA+ Management Team



78
DISSERTATIONS



6
PATENTS



47
NATIONALITIES



OUTREACH
NanoLab visitors 1,728
842 pupils, 886 adults



595
EMPLOYEES
44 Professors
279 PhD Students



14.245
CITATIONS



€ 47.5 M.
TURNOVER
Basic funding € 18.7 M.
External funding € 28.8 M.



447
PUBLICATIONS
(REFEREED)

UNIVERSITY
OF TWENTE.

HIGHLIGHTS

A selection of our most recent achievements and activities.

RESEARCH

- Unusual discovery in thin film magnetism, published in Science magazine.
- Darwin on a Chip: development of (r)evolutionary electronic circuits published in Nature Nanotechnology.
- Development of flexo-electric nanomaterial, published in Nature Nanotechnology.
- Development of highly efficient hollow copper electrodes, published in Nature Communications.
- Desalination chip developed by MESA+ which should increase efficiency of medicine development.
- Clear Identification of movement of droplets on soft surfaces, published in Nature Communications.
- Discovery of light tying knots in liquid crystal droplets, published in Nature Communications.

TECHNOLOGY TRANSFER & COLLABORATION

- University of Twente spin-off Eurekite teams up with Cottonwood.
- Regional collaboration: University of Twente and Saxion University of Applied Sciences join forces.

OTHER

- University of Twente continuing tradition Zwarte Cross Festival.
- Outreach: anniversary 5 years of the NanoLab and 25 years Cleanroom at the University of Twente.

GRANTS & AWARDS

Dr. ir. Floris Zwanenburg - VIDI '15

Prof. Dr. Allard Mosk - VICI '15

Dr.ir. Wiebe de Vos - VIDI '16

Dr. Richard Stevens - VIDI '16

Prof. Rob Lammertink - VICI '16

Dr. Alvaro Marin - ERC Starting Grant '15

Dr. Sonia García Blanco - ERC Consolidator Grant '15

Prof. Dr. ir. Albert van den Berg - ERC Advanced Grant '15

For more details and information:

utwente.nl/mesaplus

MESA+ Institute for Nanotechnology

University of Twente

P.O. Box 217

7500 AE Enschede

The Netherlands

T: + 31 53 489 2715

E: mesaplus@utwente.nl

