

nano Challenge ²⁰⁰⁷ *and* polymer Challenge ^{new}

*International Business Plan Competition on
Nanotechnologies and Polymer-based Materials*

Investor Session

Thursday, 29th November 2007
9.00-17.30
University of Padova
Palazzo del Bo
Italy

Organizers



Main Partner



In collaboration with



Supported by



nano Challenge²⁰⁰⁷ and polymer Challenge^{new}

International Business Plan Competition on
Nanotechnologies and Polymer-based Materials

The third edition of *Nanochallenge*, the international business plan competition on nanotechnology, has turned into Nanochallenge and Polymerchallenge. Veneto Nanotech, the Italian Cluster for Nanotechnology, and IMAST, the Technological District on polymeric and composite materials engineering and structures, have joined together to organize the 2007 edition of the competition with two Grand Prizes of € 300.000 each, for the best project of the *nanotechnology* category and for the best one of the *polymer-based materials* category. 40 business projects have been screened by a National Jury, who ultimately selected the best business proposals: 8 finalist teams for the nanotechnology prize and 5 finalists for the polymer-based materials award.

On the occasion of the *Final Contest*, to be held at the University of Padova, Bo Palace, on November 29-30, Veneto Nanotech and IMAST have organized the second edition of the *Investor Session*, an open doors day addressed to investors and business people. Each team will have a slot of 15 minutes to present their innovation and business idea.

The *Investor Session* represents a networking event where venture capitalists, corporations, entrepreneurs and business people can identify the most promising technologies and business opportunities in the nanotechnology and polymer-based materials sector.

Investor Session Thursday, 29 November 2007 University of Padova - Bo Palace

- 9.00 Registration and Welcome Coffee
- 9.30 Welcome – Prof. Vincenzo Milanese, Chancellor of the University of Padova
- 9.40 Introduction – Veneto Nanotech Scpa and IMAST S.c.a.r.l.
- 10.00 Presentation of the Jury
- 10.50 Investor Session
- 11.30 Coffee Break
- 11.45 Investor Session
- 13.05 Buffet Lunch
- 14.00 Investor Session
- 16.00 Coffee Break
- 16.15 1to1 meetings and Poster Session
- 17.30 Closing

Some of the members of the Jury will be: Benet Group, Bracco Imaging, Capital-E, Fraunhofer-Institut für Werkstoff- und Strahltechnik, Innogest SGR, Lux Capital, Mapei S.p.a., NanoDimension AG, Nanofab-nanofabrication facility, NSTI-Nano Science and Technology Institute, PriceWatehouseCoopers, Quantica SGR, Selex SI.

For further information write to:

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Location:

University of Padova, Bo Palace
Archivio Antico Room
via VIII Febbraio, 2 - 35122 Padova Italy

To attend the Investor Session, free registration is mandatory at

www.nanochallenge.com

Finalist Teams

Nanotechnologies category

3D Biomatrix will offer Perfecta3D, a novel 3D substrate within a standard well-plate, to the in vitro cellular drug testing market

ANANAS Nanotech produces stable, biocompatible and biodegradable nanoparticles that, thanks to their innovative composition, can be loaded by a self-assembly process with a high-copy number of other compounds selected from a virtually infinite pool of biochemical functions

L pro GasST (Gas Sensing Technology) exploits the techniques of laser absorption spectroscopy for remote gas sensing applications. Custom design of laser systems will be developed with nanotechnology techniques. The first applications will address the sparkling and still wine market

MicroTransponder, Inc. offers a novel nanotechnology that can be used as a component for neural and chemical sensing. The technology portfolio consists of a wireless micro-system that can interface with peripheral nerves and a host of biochemical micro/nano- sensors. Treatments of intractable pain or neuropathy

NANOSOLAR has developed innovative deposition techniques using a magnetic field to polarized solvent and ionized ozone able to realize droplets with diameters <3 μm without high pressure spray nozzle like in aerosol. Therefore, solvent evaporates before NP deposition, giving high homogeneity of the coating

QID offers new low cost catalysts named QID PT to replace rare and expensive material as Platinum and Rhodium used broadly in many industries and clean technologies. This offers a limitless and very rich market for expansion

Quantagene

By using a novel, high throughput, massively parallel sequencing method developed by Quantagene, called Nanopore Optical Sequencing (NOS), the bottlenecks associated with today's sequencing methods are eliminated, enabling rapid, affordable, and sensitive sequencing of whole genomes within a day

Polymer-based materials category

HYPUCEM has introduced a new material whose properties can be tailored to different applications with the aim of improving the energetic, structural and functional properties of walls and floorings

Nozzles & Needles® targets the niche in polymer applications - high density Ball-Grid-Array (BGA) manufacturing and post-processing for semiconductor packaging, skin rejuvenation for the cosmetics industry and transdermal delivery of large molecule drugs that have restricted delivery mechanisms

Shinewear project intends to develop and fabricate plastic light emitting materials based on OLEDs for the incorporation into functional outdoor clothing

Silvertech will produce a novel engineered textiles with unique antibacterial properties, for a number of applications, based both on natural and synthetic fibers

SO is a range of products for the regeneration of tissues which have been damaged by either disease or trauma. The products are based on novel natural, biodegradable and bioactive polymeric materials derived from soybean

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