ICONN 2010 Exhibitor Directory

Analytical Solutions Australia

Table: **T06**

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The PSS range of particle characterization models is able to offer more particle definition such as counts/mL, concentration, and density.

This includes on-line models that can work with the most demanding media such as silica slurries,printer inks etc.

The new revolutionary Archimedes model now allows nanometre distributions to have access to actual counts and concentration results. This instrument is free of any optical abberations or inverse algorythm calculation. Additionally it is also able to calculate particle density. The Applied Separations Desolvating package assists with particle creation.

Australian Nanotechnology Alliance (ANA) & Future Materials

Booth: **12**

Contact:	Carla Gerbo National Co-Ordinator - Future Materials Director & CEO - Australian Nanotechnology Alliance
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Website:	www.future.org.au www.nanotechnology.org.au

The Australian Nanotechnology Alliance (ANA) is an industry-led, research supported alliance comprising organisations that underpin Australia's current and future economic growth.

Future Materials is a research institution-based network, connecting researchers and industry through provision of materials technology.

The strategic alliance between Future Materials and the ANA, reinforces that research and industry collaboration enhances innovation and economic growth.

ARCNN (Australian Research Council Nanotechnology Network)

Table: **T03**

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The Australian Research Council Nanotechnology Network (ARCNN) is dedicated to substantially enhancing Australia's research outcomes in this important field of Nanotechnology by promoting effective collaborations, exposing researchers to alternative and complementary approaches from other fields, encouraging forums for postgraduate students and early career researchers, increasing nanotechnology infrastructure, enhancing awareness of existing infrastructure, and promoting international links. The ARCNN will achieve these goals through its dedication to bringing together all the various groups working in the field of Nanotechnology and related areas within Australia.

ATA Scientific

Table: **T01**

Contact: Bryn McDonagh
Address: PO Box 1005 Sutherland NSW 1499
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Email: bmcdonagh@atascientific.com.au
Website: www.atascientific.com.au

- The ATA Scientific suite of instruments for Biosurface and Nano particle analyses includes.
- Microbalance with quartz crystal sensor for following thin film formation and interactions.
- Dual Polarisation optical sensor for studying small molecule interactions.
- Combined particle size/zeta potential analyser for nano-particle characterisation.
- High pressure homogenisers for producing micro emulsions.

Australian National Fabrication Facility (ANFF) & Melbourne Centre for Nanofabrication (MCN)

Booths: **3/4**

Contact: Steve Walker
Address: 151 Wellington Road Clayton VIC 3168
Tel: 0419 413 604
Email: info@anff.org.au
Website: www.anff.org.au
nanomelbourne.com

The Australian National Fabrication Facility (ANFF) was established in 2007 and links 7 university-based nodes to provide researchers and industry access to state-of-the-art fabrication facilities and expert personnel.
The Melbourne Centre for Nanofabrication (MCN), headquarters of the national network provides access to multi-scale, multi-disciplinary nanofabrication infrastructure. The MCN supports and produces research/ prototype advances in areas including environmental sensors, medical diagnostics, micro and nano actuators, novel energy sources and novel bio-nanotechnology.

Australian Synchrotron

Booth: **22**

Contact: Kerry Hayes - External Relations
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Website: www.synchrotron.org.au

The Australian Synchrotron is the nation's largest piece of stand-alone scientific infrastructure. The synchrotron's light ranges from infrared to hard X-rays and is used to analyse a range of materials such as human tissue, plants, proteins, artefacts, and minerals. The soft X-ray beamline is particularly suitable for assisting in the development of new nanotechnologies.

AVT Services

Booth: **13**

Contact: Phil White
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Website: www.avtservices.com.au

AVT services are Australia's foremost scientific vacuum equipment and service provider, offering a comprehensive portfolio of new equipment and a select range of refurbished pumps. AVT are the Australian agents for the EDWARDS, MDC, CTI, and INLAND. AVT has offices and workshops in all major states.

Coherent Scientific

Booth: **1**

Address: 116 Sir Donald Bradman Drive Hilton SA 5033
Tel: 08 8150 5200
Email: sales@coherent.com.au
Website: www.coherent.com.au

Coherent Scientific has over 20 years experience in delivering and supporting complex research instruments from pre-sales configuration and application analysis through to post sales support and service to customers across Australia and New Zealand. Coherent Scientific represents leading manufacturers, including NT-MDT (AFM, SNOM and integrated AFM/SNOM/Raman), Hysitron Inc (nanoindentation and tensile testing), TMC (vibration and acoustic isolation), Nikon (confocal and standard optical microscopy, benchtop SEM), Coherent Inc (lasers and related accessories) and Princeton Instruments (imaging and spectroscopy) and more. Please contact us for details.

CSIRO

Booth: **14**

Email: Enquiries@csiro.au

The Commonwealth Scientific and Industrial Research Organisation is Australia's national science agency and one of the largest and most diverse research agencies in the world. CSIRO employs approximately 6,500 staff working across 55 locations throughout Australia and the world. CSIRO undertakes nanotechnology research in areas as diverse as environmental sensing technology, water purification and desalination, flat solar cells and nutritionally enhanced food ingredients.

Department of Employment, Economic Development & Innovation (DEEDI - ET & EI)

Booths: **16/17**

Tel: 1300 363 711
Website: www.industry.qld.gov.au

The Queensland Government is serious about investing in nanotechnology. Since 2007, $7 million has been invested in projects such as the 'nanopatch' needleless vaccine delivery system, supporting research that provides benefits for business, the environment and society.

The Government is further investing in the future of nanotechnology in Queensland by supporting innovation, technology diffusion, commercialisation and partnering with industry.

For information on nanotechnology developments in Queensland, contact the Department of Employment, Economic Development and Innovation on telephone 1300 363 711 or visit industry.qld.gov.au.

Department of Innovation, Industry, Science and Research (DIISR)

Booth: **23**

Contact: Alison Hemmings - Manager, Enabling Technologies - Policy
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Website: www.innovation.gov.au

The Department of Innovation, Industry, Science and Research (DIISR) is leading the Australian Government's Innovation Agenda, *Powering Ideas: An Innovation Agenda for the 21st Century*. Powering Ideas is a 10 year vision to make Australia more productive and competitive. It outlines how the Australian Government will improve skills and expand research capacity, increase incentives for innovation in business, government and the community sector and boost domestic and international collaboration. A key part of Powering ideas is the Super Science Initiative that provides a $1.1 billion boost for critical areas of scientific endeavour, including facilities to support nanotechnology research. The National Enabling Technologies Strategy is part of the Super Science Initiative.

Group Scientific Pty Ltd

Booth: **10**

Contact: Dr John C. Thomas
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Website: www.group-scientific.com.au

Group Scientific was formed in 1985 to service and support the colloid, materials science and nanotechnology industries. We provide the world's best scientific instruments and, more importantly, we provide the best scientific support for these instruments and their applications.

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- X-Ray diffraction systems & detectors for applications in SAXS/SWAXS
- Vibration isolation tables

Group Scientific has the largest installed base of Atomic Force Microscopes of all companies in

Izon Science Limited

Booth: **18**

Contact: Paul Atkins
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Website: www.izon.com

Izon is a New Zealand-based nanotechnology company which has developed the science, hardware and software to fabricate and control dynamically tunable nanopores. Izon's tunable nanopore technology research platform is world-leading in offering an affordable, robust and highly flexible technology for real-time particle detection, quantitation and characterisation at the nanoscale across a wide range of applications including size distribution analysis, size/shape/charge measurement, multimodal particle population analysis and immunodetection.

John Morris Scientific Pty Ltd

Table: **T07**

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NanoInk, Inc.

Table: **T05**

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NanoInk specializes in nanometer-scale manufacturing and applications development. Using Dip Pen Nanolithography® (DPN®), a patented and proprietary nanofabrication technology, scientists are enabled to rapidly and easily create nanoscale structures from a wide variety of materials. This low cost, easy-to-use, and scalable technique brings sophisticated nanofabrication to the laboratory desktop.

NanoTechnology Systems

Booth: **7**

Contact: Jocelyn Carpenter
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About nanoTechnology Systems:
nanoTechnology Systems supplies and supports Electron Microscope and Focussed Ion Beam Systems for Australia and New Zealand. Our Customers include Research Institutes, Hospitals, Industry and Mining and Exploration. Their Systems are used for research, development production control in the fields of diagnostic pathology, virology, gastroenterology, pharmaceuticals, physics, mineralogy, metallurgy and advanced materials science.

NewSpec

Booths: **5/6**
Contact: Neil McMahon
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Website: www.newspec.com.au

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NT- MDT

Booth: **2**

Contact: Ann Vinokhodova
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Products: cantilevers; SPMs for educational needs; specialized SPMs for scientific and industrial research centers; the probe nano-laboratories uniting the whole spectrum of modern techniques on the SPM basis.

Oxford Instruments

Booth: 15

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Oxford Instruments Pty Ltd supplies high technology research equipment for areas utilising Nano-Positioning, High Magnetic Field, Ultra Low Temperature, X-ray Crystallography and XRF. We represent many leading companies including: Attocube Systems, Oxford Instruments NanoScience/NanoAnalytical, Oxford Diffraction and INEL.

Raith Asia Ltd

Booth: 11

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For more than two decades, Raith has been developing and selling high-tech systems worldwide in the domain of nanotechnology. These systems are used for state-of-the-art research in Physics, Electrical Engineering and other R&D related fields. The main areas of operation are the designing and manufacturing of systems, which enable the fabrication of superfine surface structures down to the sub-10-nanometer scale (electron and ion beam lithography). Worldwide Raith qualifies its personnel to provide fast and competent help to its customer requests. In particular Raith has strengthened its presence in the Asian Pacific Region by establishing a local customer support centre in Hong Kong.

Realtek Technologies

Booths: 20/21

Address: 2/148 Northern Road West Heidelberg VIC 3081
Tel**:** 03 9457 6377
Fax**:** 03 9459 4695
Website: www.realtekaustralia.com.au

EVG provides total solutions for all areas of Nanoimprint Lithography utilizing hard and soft stamp materials. As founding member of NILCom consortium EVG can offer a wide range of experience. For over 35 years PVA TePla has been a proven and trusted resource of high quality Gas Plasma Systems and Contract Manufacturing Services. Realtek Technologies are agents for EVG and PVA TePla and are suppliers and developers of Nano Micro Manufacturing process and systems, being strong supporters of the Australian adaption of emerging technologies.

Scientific Devices Australia

Table: **T02**

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Scientific Devices Australia Pty. Ltd. (SDA) is an ISO9002 Quality certified business, marketing and supporting a comprehensive range of test equipment for leading manufacturers of Electronic Test & Measurement Instrumentation in the fields of Sensitive Source & Measure, Metrology & Calibration, Power Supplies, RF & Microwave, Time & Frequency Standards & Telecom Synchronisation, Mobile Telecommunications, EMC and Data Acquisition. Importantly, Scientific Devices has a comprehensive NATA Calibration Laboratory and an in-house service facility to support our customers' investment locally. We offer a complete System Integration Service and technical assistance for customers that require a turnkey solution. Our Head office, Service Facility and Calibration laboratory are located in the South Eastern suburbs of Melbourne. Together with our branch office in Sydney, Scientific Devices Australia offers a skilled network of trained personel providing a complete solution for Sales & Applications, Service & Technical Support and Calibration

Sigma Aldrich

Booth: **19**

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The Innovation Group Pty Ltd

Booth: **8**

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The Innovation Group Pty Ltd is Australia's leading supplier of Scanning Probe Microscopes and supporting technology. Representing Asylum Research, Nanoworld, Minus K, Herzan, Budget Sensors and CETR we offer a wide range of imaging solutions. Our team consists of actual researchers in the field of Scanning Probe Microscopy, with over 30 years of combined SPM experience.

The University of Sydney

Table: **T04**

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The University of Sydney has world-leading programs in integrated photonics and quantum science. Through its fully owned subsidiary Bandwidth Foundry International, the University provides nanofabrication services to the Australian research community in these and other areas including micro and opto-fluidics, polymer fibres and astrophotonic instrumentation.

Warsash Scientific

Booth: **9**

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Website: www.warsash.com.au

Warsash Scientific focuses on the high technology and the rapidly advancing fields of Photonics, Spectroscopy & Nanotechnology. For over 30 years, we have specialised in the introduction and transfer of new technologies from leading global organisations to the benefit of Australian & New Zealand R&D, defence and industry.