



## Welcome

Dear Members and Friends

Welcome to the twenty second edition of the ANN (formerly ARCNN) News.

In addition to NETS, DIISR funding in support of the Network operations during 2011-2013, funding has been sought from the Universities, ANSTO, CSIRO and DSTO. Response of the Universities has been extremely positive with a funding commitment of \$140K per year to date. We are grateful to DIISR and the Universities for their support to the Network.

Currently the Network has more than 1400 members and 250 research groups are participating in the Network. We are keen to expand the membership of the Network and in particular would look to expand to include industry members. Please encourage your industry partners and others interested in Nanotechnology to join the Network as membership is FREE.

Since the ARC funding has come to an end the Management Committee of the Network has decided to change the name of the Network to the Australian Nanotechnology Network. Nominations are being sought for the new student representative on the management committee and a request for nominations will be sent soon to student members.

Preparations are under way for ICONN 2012 and I hope you will be able join us in Perth during 5-9, Feb 2012 to present your research and learn about the new and exciting developments in the field. ICONN 2012 will be held along with APMC 2012 and ACMM 2012 at the same venue.

The Overseas Travel Fellowship applications deadline is fast approaching, so please make sure you submit your applications by the end of May 2011.

The Asia Nano forum is holding its 4th Asia Nano Camp which is being held in August in Korea. An email for nominations will be sent out shortly and three candidates will be selected to attend.

Looking forward to your active participation in the Network activities.

***C Jagadish***

***Convenor***



**Australian Government**

**Department of Innovation  
Industry, Science and Research**

## **ANN Awards and Deadlines - 2011**

### **Asia Nano Camp**

The 4th ANC 2011 will take place on 15th - 28th Aug. 2011 in Korea.

The program will include technical lectures by experts in various areas of nanotechnology, industry seminars, visits to universities and research institutes, as well as networking/social activities.

Australia has been asked to nominate 3 candidates for participation in the Asia Nano Camp. An email calling for applications will be sent to PhD Students and ECR's soon.

**Application deadline is the 6th of June 2011**

### ***Overseas Travel Fellowships***

ANN is offering 2 rounds of the Overseas travel fellowships this year. The deadline for the 1st round is the 31st of May 2011. Details can be found on [http://www.ausnano.net/content/overseas\\_travel](http://www.ausnano.net/content/overseas_travel)

### ***ANN Long and Short Term Visits***

The ANN offers Long term and Short term funding for visits within Australia to successful applicants throughout the year. These visits are Further information about any of the funding available can be found at: [http://www.ausnano.net/content/funding\\_and\\_sponsorship](http://www.ausnano.net/content/funding_and_sponsorship)

### ***Young Nanotechnology Ambassador Awards***

The ANN will award selected students/ECRs in each state/territory of up to \$2000 to present and facilitate interest in Nanotechnology at local schools. To contact the state champions from each state and for further information on the program please go to [http://www.ausnano.net/content/young\\_ambass\\_awards](http://www.ausnano.net/content/young_ambass_awards)

Reports of some of the Young Nano Ambassadors can be found at: <http://www.ausnano.net/content/reports>

## **Industry Members Sought**

In order to truly represent broader Nanotechnology community in Australia, ANN is seeking members from industry working in the field of nanotechnology. Please encourage your friends and colleagues working in industry to join the Network as the membership is FREE. This will also provide opportunities for PhD students and ECRs to interact with industry members.

## **NanoQ**

We are in the process of collating stories for the third edition of the NanoQ magazine. The deadline for the next issue is the 30th June 2011. So if you have anything that you believe deserves to be published, please send us your contributions. Anyone interested in obtaining a copy of NanoQ, send an email to [arcnn@ausnano.net](mailto:arcnn@ausnano.net) along with a mailing address.

## **Nanotechnology Facilities Database**

ANN has added a Nanotechnology Research Facilities and Capabilities database onto our site. The aim of this database is to be a first access site to all the Nanotechnology Infrastructure facilities and capabilities available to nanotechnology researchers. All group leaders who are interested in adding their facilities onto the ANN site are asked to add facilities/equipment/Infrastructure. NCRIS/EIF people have been using the Network web page to get information about activities in various institutions in the country.

## Update profiles, address changes etc

Please remember to advise address and email changes so that the ANN member database is kept up to date. Your current details can be checked on your online profile at <http://www.ausnano.net/index.php?page=profiles>.

If you have not submitted an online profile, we would encourage you to do so as this provides a valuable resource for researchers seeking collaboration with people who have experience or expertise in a particular nanotechnology area. A search facility is provided on the Members Profiles webpage. Researchers looking to fill postdoc positions may also use the member database to locate students with research interests and experience in particular fields.

## Upcoming ANN Supported Events



## ICONN2012

### International Conference on Nanoscience and Nanotechnology

In early February, the International Conference on Nanoscience and Nanotechnology 2012, the 10th Asia-Pacific Microscopy Conference (APMC10) and the 22nd Australian Conference on Microscopy and Microanalysis (ACMM 22) will be held in Perth, Western Australia as a single, integrated event.

Delegates from more than 30 nations are expected to provide a unique and exciting science and technology forum. The event will include ten parallel sessions, short courses, workshops and a concurrent major equipment exhibition.

Co-Chairs - Prof Lorenzo Faraone and Prof Brendan Griffin

Website will go live shortly - [www.ICONN-2012.org](http://www.ICONN-2012.org)

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**Nanostructures for Electronics, Energy, Environment and Sensing  
Australian - Italian School and Workshop on nanotechnology  
(Nano-E3&S)**

12-16th of September 2011  
Held at: Couran Cove, Gold Coast.  
more info: <http://www.nanose3.com/>

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**Trilateral (Australian - Italian - French) Nanophotonics Workshop**

24-26th of August 2011  
Held at : Serafino, McLaren Vale  
More info: <http://www.adelaide.edu.au/ipas/workshop/>

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**Other Nano Events**

**Workshop on Dimensional Nanometrology with Atomic Force Microscopy**

16 June 2011  
Held at : Lehany Theatre, NMI Lindfield Laboratory  
Bradfield Road, West Lindfield, Sydney NSW  
more info: <http://www.measurement.gov.au/Pages/NMIWorkshop.aspx>

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**2nd International NanoMedicine Conference**

14-16 July 2011  
Held at: Coogee Beach Sydney  
more info: <http://oznanomed.org/>

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**SPIE - Smart Nano+Micro Materials and Devices**

5-7th December 2011  
Held at : Swinburne University, Melbourne  
more info: [spie.org/auinfo](http://spie.org/auinfo)

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**2011 Silicon Nanoelectronics Workshop**

2/06/2011 - 13/06/2011  
Held at: Rihga Royal Hotel Kyoto, Kyoto, Japan  
More Info: <http://diana.pe.titech.ac.jp/~snw2011/>

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IEEE - NANO 2011 - 11th International Conference on Nanotechnology  
15/08/2011 - 18/08/2011  
Held at: Portland Oregon  
more info: <http://ieeenano2011.org/>

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ICQNM 2011- The Fifth International Conference on Quantum, Nano and  
Micro Technologies

21/08/2011 - 27/08/2011  
Held at: Nice/Saint Laurent du Var, France  
more info: <http://www.iaria.org/conferences2011/ICQNM11.html>

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COMS Commercialization of Micro-Nano Systems Conference

28/08/2011 - 31/08/2011  
Held at: Grandover Resort and Conference Centre,  
Greensboro, North Carolina, USA  
more info: <http://mancef.org/COMS2011>

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ESSDERC 2011 - 41st European Solid State Device Research Conference

12/09/2011 - 16/09/2011  
41st European Solid State Device Research Conference  
more info: <http://www.essderc2011.org/>

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IEEE NMDC 2011] IEEE Nanotechnology Materials and Devices Conference

18/10/2011 - 21/10/2011  
Held at: The Shilla Jeju, Korea  
more info <http://www.ieeenmdc2011.org/>

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2011 International Symposium on Bioelectronics and Bioinformatics

03/11/2011 - 05/11/2011  
Suzhou Institute of Biomedical Engineering and Technology (SIBET),  
Suzhou, China  
more info: <http://isbb2011.wmah.org/>

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INTERNATIONAL CONFERENCE on NANO SCIENCE, TECHNOLOGY &  
SOCIETAL IMPLICATIONS NSTSI11

08/12/2011 - 10/12/2011  
Held at : C.V.Raman College of Engineering, Orissa, India  
more info: <http://cvrgi.edu.in/NSTSI11/home.html>

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## Other NanoNews

### National Enabling Technologies Strategy (NETS)

Under the NETS a Stakeholder Advisory Council (SAC) of 13 individuals representing industry, research, non-government organisations, the social sciences and government was established on 4 November 2010 and had its first meeting on 28 January 2011. An Expert Forum of eight people has also been established to guide the Strategy's technology foresighting activities and to identify challenges and opportunities arising in the next 5 to 10 years from the new enabling technologies and has met twice. Under the Expert Forum the NETS team is developing a program of industry foresight workshops targeting different industry sectors where new enabling technologies show potential for industry uptake and making a contribution to Australia's major national challenges. The first workshop was targeted at the building products industry and was conducted in collaboration with the Built Environment Industry Innovation Council. Further information on this workshop including video footage will shortly be available on the NETS website. <http://www.innovation.gov.au/Industry/Nanotechnology/NATIONALENABLINGTECHNOLOGIESSTRATEGY/Pages/default.aspx>

The NETS has also commissioned 10 case studies that showcase the use of nanotechnology in various organisations in the context of solving industry problems as well producing the 3rd Edition of the Nanotechnology Capabilities Report. The Report provides information on and enables connection between: private firms, research institutions, infrastructure bodies and Australian government agencies involved in nanotechnology. These documents are available on the NETS website. Hard copies of the report are also available by contacting the NETS team.

### Nanotechnology 2020

The National Science Foundation(NSF) and the World Technology Evaluation Center(WTEC) have conducted a study on Nanotechnology Research directions titled "Nanotechnology Research Directions for Societal Needs in 2020 Retrospective and Outlook". You can view this report (610 pages) on the NSF website <http://www.nsf.gov/crssprgm/nano/>

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### Nanowerk

The Nanowerk website lists all the International Nano events that you will ever need to know about: [http://www.nanowerk.com/phpscripts/n\\_events.php](http://www.nanowerk.com/phpscripts/n_events.php)

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### ANN Admin Contact

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For further information on ANN events, contact Liz or go to: [www.ausnano.net](http://www.ausnano.net)