

## Welcome

Dear Members and Friends,

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

ANN will be hosting an ECR Symposium in November at Macquarie University. Please encourage your ECRs and PhD students to attend.

Preparations are well under way and abstract submission is now open for ICONN 2012 and I hope you will be able to join us in Perth during 5-9, Feb 2012 . ICONN 2012 will be held along with APMC 2012 and ACMM 2012 at the same venue. Professor Zhores Alferov, 2000 Nobel Prize winner in Physics has agreed to give a Plenary talk at ICONN2012.

Congratulations go to the following Overseas Travel Fellowship awardees

Mr Matthew Barr from the University of Newcastle

Miss Yeoh LaReine from the University of New South Wales

Dr Natasha Sciortino from Sydney University

Dr Tracey Clarke from the University of Wollongong

Mr Jing Ren from the University of Melbourne

Mr Rama Vasudevan from the University of New South Wales

Congratulations also go to the following Asia Nano Camp attendees

Mr Sankara Sundaram from the University of New South Wales

Mrs Sumaiya Islam from Monash University

Ms Xia Wu from The University of Queensland

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**

### ***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. 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>

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

The deadline for the next round of Overseas travel fellowships this year is the 30th September. Details can be found on [http://www.ausnano.net/content/overseas\\_travel](http://www.ausnano.net/content/overseas_travel)

## **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**

The third edition of the NanoQ magazine will be out shortly. The deadline for the next issue is the 30th November 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

### ANN Early Career Symposium 2011

Macquarie Graduate School of Management

Macquarie University, Sydney

21-22 November 2011

[http://www.ausnano.net/content/ecrphd\\_11](http://www.ausnano.net/content/ecrphd_11)

The aim of this symposium is to provide a forum where early career researchers (ECRs)\* and postgraduate students working on nanotechnology research can present their work, meet other researchers and students, and interact with other research groups in Australia (\* within 5 years of award of Ph.D. degree).

Attendance is open to all staff, postgraduate and undergraduate students at Australian research institutions (Universities, CSIRO, DSTO, etc.) and related industrial organizations, however seating is limited, preference will be given to ECRs, postgraduate students and ANN members. There will be no registration fee for attendance at the Symposium, however all participants are asked to register for catering purposes



### ICONN2012

International Conference on Nanoscience and Nanotechnology

[www.ICONN-2012.org](http://www.ICONN-2012.org)

During 5-9th of 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.

Professor Zhores Alferov, 2000 Nobel Laureate in Physics, has agreed to give a Plenary talk. Other high profile Plenary speakers are expected at ICONN2012.

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

Abstract submission deadline is the 31st October 2011

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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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**Other Nano Events**

**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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**NANOPARTICLE MEASUREMENT: LIGHT SCATTERING AND BEYOND**  
16/09/2011  
held at : Nanometrology Section of the National Measurement Institute Sydney.  
more info: <http://www.measurement.gov.au/Pages/NMIWorkshop.aspx>

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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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**RUSNANOTECH 2011**  
International Nanotechnology Forum

26-28th October 2011  
Held at: Moscow  
More Info: <http://www.rusnanoforum.ru/Home.aspx>

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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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**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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## 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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### International Electromaterials Science Symposium

Energy, Bionics and Advanced Characterisation in Electromaterials Science

15/02/2012 - 17/02/2012

Held at: Deakin University Waterfront Campus

more info: <http://electronaterials.edu.au/events/UOW105366>

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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

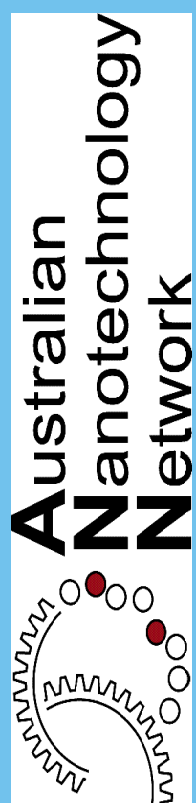
The National Science Foundation(NSF) and the World Technology Evaluation Center(WTEC) have conducted a study on Nanotechnology Research directions titled "Nanotechnology Research Directions for Societal Needs in 2020 Retrospective and Outlook". You can view this report (610 pages) on the NSF website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