

ANN Newsletter



[ANN](#)

Edition 24

March 2012

Welcome

Dear Members and Friends,

Welcome to the twenty fourth edition of the ANN News.

Thank you to all the participants, exhibitors and sponsors who helped in making ICONN2012 a great success. We had over 1100 delegates attending the combined APMC/ICONN/ACMM conferences.

Thanks to Conference chairs Laurie Faraone and Brendan Griffin and all the committee for their great effort.

Congratulations go to the following ICONN Poster prize winners

- Brendon MacDonald from University of Melbourne and CSIRO
- Chi Huynh from CSIRO
- Ivan Lozic from the University of Western Australia
- Mega Ng from the University of New South Wales
- Visalini Muthusamy from RMIT

If you are interested in applying for the Overseas Travel Fellowship please make sure you submit your application by the 9th of March 2012.

Looking forward to your active participation in the Network activities.

C Jagadish
Convenor

Overseas Travel Fellowships

The deadline for the next round of Overseas travel fellowships this year is the 9th of March 2012. Details can be found on

http://www.ausnano.net/content/overseas_travel

ANN Long and Short Term Visits

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NANOFAIR 2012

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

Quick Links

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Our Sponsors

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

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_ambassadors

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

Asia Nano Camp

Applications are being sought for attending The 5th Asia Nano Camp which is being held on the 6-15 July, 2012 in Beijing/Tianjin, China.

Asia Nanotech Camp is a program initiated by Asia Nano Forum (ANF) as a platform for young nanotechnology researchers to learn about the state of the art and nanotechnology advancement in ANF network economies. It provides an unique opportunity for these young researchers to communicate, network, and collaborate with one another.

This camp will be held co-currently with the International Conference/Contest of Applications in Nano-Micro Technologies. The program will include attending iCAN, lectures by experts in various areas, industry seminars, visits to universities and research institutes, as well as networking/social activities. The participants are also requested to share their research achievements, activities, work on group assignments and present their findings.

More info on the conference can be found on <http://www.ican-contest.org/index.html>

The ANN will be providing return Economy Airfare to Beijing and the host will provide local hospitality including accommodation, meals, local transportation, and social activities. Please email your interest in attending to ann@ausnano.net by the 16th of March 2012 and include the following

- Paper submission to ICAN&ANC2012 (paper template, iCAN website)
- Participant's curriculum vitae (including photograph and publications list).
- An abstract of participant's previous and/ or current research, in less than 500 words.
- At least five keywords that best describe participant's research area.



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Upcoming ANN Supported Events

NT12-International Conference on the Science and Application of Nanotubes

25-29/06/2012

Brisbane Convention Centre

<http://www.nt12.org/>

3rd International NanoMedicine Conference

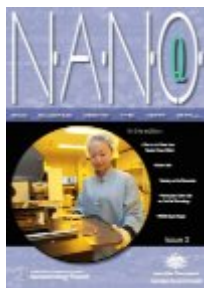
2- 4/07/2012

Coogee Beach, Sydney

<http://www.oznanomed.org/>

4th WUN International Conference on Spintronics

Nano Q



The third edition NanoQ featured articles on how nanotechnology is used in the development of bio- fuel cells which convert directly chemical energy into electrical energy. How low cost wet chemistry methods are used to obtain nanocrystal based solar cells. Two other articles feature Nanoscale biological and chemical sensors being developed for a broad range of sectors and how nuclear reactors could be used to study nanoscale materials.

The article on an innovative book project showcases Nanotechnology in Australia (published by Pan Stanford) with all authors being PhD students and earlycareer researchers is featured developing valuable writing skills of our next generation of nanotechnology researchers.

The fourth edition of the NanoQ magazine will be out shortly. The deadline for the next issue is the 30th of March 2012. 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 along with a mailing address.

Nanotechnology Facilities Database

The aim of this database is 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 their facilities/equipment/infrastructure. NCRIS/EIF people have been using the Network web page to get information about activities in various institutions in the country.

Please visit <http://www.ausnano.net/index.php?page=facilities> and follow the instructions

Other Nano News

ITALY-AUSTRALIA WORKSHOP ON NANOSTRUCTURED MATERIALS FOR MAGNETIC AND SPINTRONIC DEVICES

Tentative dates - 29 October - 2 November 2012

Tentative venues - Sydney or Canberra

Planning is underway for a bilateral workshop to promote collaboration between Italian and Australian researchers. in the physics and applications of Nanostructured Materials for Magnetic and Spintronic Devices. A participating team of eight Italian researchers who are all recognized internationally in the field has been assembled. The workshop will also provide an opportunity for networking, scoping, information sharing and identifying potential areas for research collaborations. The workshop could also act as a driving force for participation of Australian research groups, together with Italian partners in, for example, EU Framework Programmes. The planned duration of the workshop is 2½ days and topics to be covered will include:

* magnetic recording media

23- 25/07/2012
The University of Sydney

<http://wired.ivvy.com/event/WUN12S/>

ANN ECR Symposium

RMIT
17-18th December 2012

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.

Other Nano Events

Additive Fabrication Prototyping Conference & Workshop,

April 23rd/24th
UOW Innovation Campus, Squires
Way, Wollongong

<http://www.additivefabrication.org/>

International meeting on the chemistry of nanotubes and graphene

Arcachon, France,
April 1st - 5th 2012
<http://chemontubes2012.crrp-bordeaux.cnrs.fr/>

- * multifunctional molecular nanomagnets, molecular spintronics, graphene based spintronics
- * complex magnetic structures for microwave, logic and memory applications
- * fabrication and characterization of magnetic nanostructures
- * magneto-electric effects in organic spintronic devices
- * magnetization dynamics in nanosystems
- * materials and heterostructures for spintronics
- * magneto-electronic devices
- * multifunctional nanostructured materials: shape memory and magnetocaloric effect

The workshop is sponsored by the office of the Science Attache', Embassy of Italy, Canberra.

Further information contact Prof Oscar Moze at adscien.canberra@esteri.it

Concerns About Sunscreen Nanoparticles Put Australians at Risk of Skin Cancer

Australians are putting themselves at increased risk of potentially deadly skin cancers by cutting sunscreen use because of concerns about sun-protecting nanoparticles.

This is one of the findings of a recent study conducted for the Department of Industry, Innovation, Science, Research and Tertiary Education, that was released at the International Conference on Nanoscience and Nanotechnology in Perth.

The full survey data is available at the NETS-PACE website. <http://www.innovation.gov.au/Industry/Nanotechnology/PublicAwarenessandEngagement/Documents/SunscreenStudy.pdf>

Further information on nanoparticles and sunscreens is on the Cancer Council website.

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/>

Australian Academy of Science - ECR Mailing List

You are invited to subscribe to the Australian Academy of Science Early career Researcher (ECR) mailing list. The Academy uses the list to regularly update subscribers on upcoming career, training and funding opportunities of interest to ECRs and to forward our quarterly newsletter, Early Days. Previous issues are available at <http://www.science.org.au/ecr/ecr-newsletters/>

To subscribe to the mailing list, please go to <http://www.science.org.au/ecr/ecrlist.html>

AMSI Internship Program

AMSI Intern is an innovative university and industry collaboration connecting business and other organisations to the vast research

3rd International Conference on Nanotechnology: Fundamentals and Applications (ICNFA'12)

7-9 August, 2012
Montreal, Canada

<http://ICNFA2012.International-ASET.com>

12th International Conference on Nanotechnology

The IEEE NanoTechnology Conference will be held at the International Convention Centre (ICC) Birmingham, U.K

20 - 23 August 2012.

More information can be found on <http://ieeenano2012.org>

COMMAD 2012 Conference on Optoelectronic and Microelectronic Materials and Devices

12-14th December 2012
University of Melbourne

NANOFAIR 2012

12-13th June 2012- Dresden, Germany

Austrade invites Australian nanotechnology organisations to meet with leading European companies with an identified interest in Australian capability and to participate in the Nanofair 2012 Conference to understand emerging industry trends and benefit from networking and showcasing activities. The focus of 2012 Nanofair Conference is on the fields of materials and surfaces, energy, electronics and life sciences, as well as nano-analytics and nano-composites for industrial applications.

Apply before 16 March 2012

In order to provide the highest level of service to delegates, places are strictly limited. Apply online at

www.austrade.gov.au/nanofair2012 to have our country specialists review your application and work with you to prepare for the mission.

expertise in Australia's universities.

A graduate student or recent post-doctoral fellow under the guidance of an experienced researcher is the key to the partnership between business and university. Interns are drawn from all disciplines. Supported by an Academic Mentor, the intern brings a new perspective and the latest knowledge to a research challenge faced by a business.

Industry Engagement - strengthen existing partnerships with industry and the opportunity to create new partnerships. Increase opportunities for ARC Linkage Grants, with the AMSI Intern program being recognised as track record. For more information go to <http://www.amsi.org.au/industry/amsi-intern/overview>

Network Manager: Ms Liz Micallef

Tel: 02 6125 5952

Or email Liz at arcnn@ausnano.net

Fax: 02 6125 3915

For further information on ANN events,
contact Liz or go to:

www.ausnano.net

Kind Regards,

Liz
ANN

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