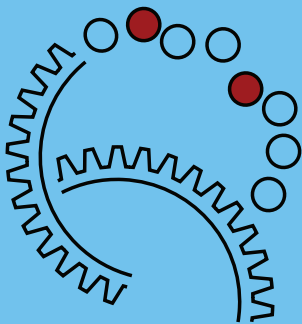


Australian Research Council
Nanotechnology Network



Welcome

Dear Members and Friends

Welcome to the twentieth edition of the ARCNN News.

ICONN2010 was a great success! We had 780 delegates from over 34 countries. Thanks to Calum, Cathy and Andrew and the entire ICONN team for their excellent efforts. Congratulations to the Poster prize winners at the conference.

Thank you to all the participants, exhibitors and sponsors who helped to make the conference a success. The manuscripts are in the process of being reviewed.

As you are all aware the ARC Network funding has come to an end in June 2009 and we have applied to the ARC for carry forward of unspent funds to continue the network activities in 2010.

The Department of Innovation, Industry, Science and Research has provided Government funding of \$50K for continuation of our programs for 2010. We are also working with both the Federal and State Governments to see how we can continue the network activities. We will keep you updated as we have further news.

The Annual Report for 2009 is now available on the website.

The Overseas Travel Fellowship deadline is fast approaching, please make sure you get your applications in by the end of April.

I would like to thank Ms Hannah Joyce for her efforts and hard work as the student representative on the management committee. She has taken up a post doctoral position at Oxford University.

If you have any stories to be included in our NanoQ magazine which has been very successful, please contact our network manager. Looking forward to your active participation in the Network activities.

C Jagadish, Convenor

Update profiles, address changes etc

Please remember to advise address and email changes so that the ARCNN 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.

ICONN2010 Poster Prize Winners

Congratulations go to the following poster winners at ICONN2010:

Dr Lee Hubble - CSIRO

Diameter selective solubilization of single-walled carbon nanotubes in water water by way of supramolecular interactions

Mr Stuart Thickett - The University of Sydney

Hydrophilic/Hydrophobic Patterned Surfaces by Dewetting and Their Use in Atmospheric Water Capture

Mr Jos Campbell - RMIT University

Enhanced MRI Contrast using DMSA and silica coated magnetite nanoparticles.

Dr James Cooper- CSIRO

Detecting and identifying aqueous solutions of hydrocarbons with a gold nanoparticle chemiresistor sensor array

Ms Siti Noorjannah - University Of Canterbury

Simulations and Design of Quadrupole Biochip Platform

Miss Bakul Gupta - University of New South Wales

Oxygen assisted synthesis of Silver Nanocubes

Student Representative

We would like to thank Ms Hannah Joyce from the Australian National University for her valuable contribution to the network. She has submitted her thesis and is now taking up a position as a postdoc at Oxford University in the U.K. We wish her every success for the future.

ARCNN Awards and Deadlines

ARCNN Overseas Travel Fellowships

The ARCNN offers 5 Overseas Travel Fellowships every 6 months. The deadline for this year is the 30th of April. Details can be found at:

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

ARCNN Long and Short Term Visits

The ARCNN 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 2010

The ARCNN will award selected students in each state/territory of up to \$2000 to present and facilitate interest in Nanotechnology at local schools.

Further information about the Program can be found at:

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

NANOQ

We will be publishing the third edition of the NanoQ publication in the next few months. It contains articles of general public interest on Nanotechnology. It is a twice a year publication, and we are accepting contributions. The deadline for the next issue is the 28th May 2010. 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.

Upcoming ARCNN Supported Events

EXCON10: 9th International Conference on Excitonic and Photonic Processes in Condensed and Nano Materials

Date: 11/07/2010 - 15/07/2010

Held at: Novotel, Brisbane

Chair: Prof Jai Singh (Charles Darwin University)

More information can be found on: <http://www.cdu.edu.au/excon10/>

ARNAM/ARCNN

Early Career Researcher and Postgraduate Student Symposium

Date: 19/07/2010 - 23/07/2010

Held at: Flinders University

Chair: Dr Amanda Ellis

More information can be found on: <http://www.materials.com.au/arnam2010/>

Other Upcoming Nano events

The Sir Mark Oliphant Conference

“Cleantech Science and Solutions - mainstream and at the edge”

Date: 4/05/2010 - 6/05/2010

Held at: Novotel, Glen Waverley, Melbourne

More information can be found on: <http://www.smoclean.org/index.html>

The 5th Asia-Pacific Conference on Transducers and Micro-Nano Technology

Date: July 6-9, 2010

Held at: Perth, Western Australia

Chairs: Prof John Dell and Prof Wojtek Wlodarski

More information can be found on: <http://apcot2010.ee.uwa.edu.au>

2nd Asia Pacific Symposium on Nanobionics

Date: 9-11th June 2010

Held at: University of Wollongong

Chairs: Prof Gordon Wallace

More information can be found on: <http://www.electromaterials.edu.au>

The 13th International Meeting on Chemical Sensors (IMCS-13)

Date: July 11-14, 2010

Held at: Perth, Western Australia

Chairs: Prof Wojtek Wlodarski and Prof Laurie Faraone

More information can be found on: <http://imcs13.ee.uwa.edu.au>

COMMAD

2010 Conference on Optoelectronic and Microelectronic Materials and Devices

Date: 12-15th December 2010

Held at: Australian National University, Canberra

Chair: A/Prof Hark Hoe Tan

More Information can be found at : <http://commad2010.anu.edu.au/>

2nd International Conference on Plasma Nanoscience (iPlasma Nano-II)

Date: 12-15th December 2010

Held at: Murramarang Resort, Bateman's Bay , NSW

Chair: Prof Kostya Ostrikov

International Conference on Nanoscience and Nanotechnology

ICONN 2012

Date: February 2012

Held at: Perth

Chair: Prof Laurie Faraone

Other upcoming Nano Events Overseas

Global Regulation of Nanotechnologies Conference

Date: 7-8th May 2010

Held at: Northeastern University School of Law - Boston Campus

Chairs: Dr Sonia E. Rolland and Dr Makane M. Mbengue

More Information can be found on

<http://www.northeastern.edu/law/academics/conferences/nano-conference/index.html>

COMS Commercialization of Micro-Nano Systems Conference

Date: 29/8/2010 - 2/09/2010

Held at: Albuquerque, New Mexico, USA

More Information can be found at : <http://www.mancef.org/COMS>

3rd International Seminar on Nanoscience and Nanotechnology

Date:6-10th September 2010

Held at: Havana Convention Centre, Cuba

More information can be found on:

<http://www.seminarionanotecnologiascuba.com/index.php?module=invitation>

AMN-5: 5th International Conference on Advanced Materials and Nanotechnology

Date:7-11th February 2011

Held at: MacDiarmid Institute, Wellington, New Zealand

More information can be found on: <http://www.confer.co.nz/amn-5/>

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

Nanotechnology Facilities Database

ARCNN 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 ARCNN site are asked to add facilities/equipment/Infrastructure.

Other Nano News

Australian Academy of Science Nanotechnology Report

Nanotechnology in Australia:Trends, applications and collaborative opportunities

The Australian Academy of Science launched its report on the 22nd of February. The report highlights the significant growth of Australia's nanotechnology research.

More information can be found on <http://www.science.org.au/news/media/22february2010.html>

WorkCover

Nano-object Nomenclature System - request for examples

This survey will be circulated in order to obtain examples of nano-objects for which a nomenclature is proposed or currently utilised.

The purpose of this survey is to obtain an indication of current approaches to nomenclature, in order to progress the development of a nomenclature framework model.

Responses need to be forwarded by Thursday, April 29, 2010 to Celine De Sousa, Project Manager celine.desousa@standards.org.au who will coordinate the Australian response.

Special Issue Nanowires IEEE Journal Quantum Electronics

Call for Papers

Topics covered in the special issue include (and not limited to):

1. group IV, II-VI, III-V semiconductors, nitrides, oxides, chalcopyrites, chalcogenides and other optical materials
2. growth, synthesis, fabrication, patterning and assembly
3. control of size, geometry, shape, position, composition, doping, heterostructures (axial and radial)
4. optical, optoelectronic properties
5. theory, modeling and simulations
6. lasers, LEDs, detectors, solar cells, waveguides, optical sensors, optical switches, non-linear optical devices and others
7. photonics, plasmonics, energy applications

Deadline for submission of manuscripts is 1st July, 2010

More information can be found on : http://www.ieee.org/organizations/pubs/newsletters/leos/feb10/CFP_JSTQE-Nanowires.html

ARCNN Admin Contacts

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Or email Liz at : arcnn@ausnano.net

Fax: 02 6125 3915

For further information on ARCNN events, contact Liz,

or go to: www.ausnano.net