



Welcome to iC News

September 2011

Lord Mayor Visits the Innovation Campus

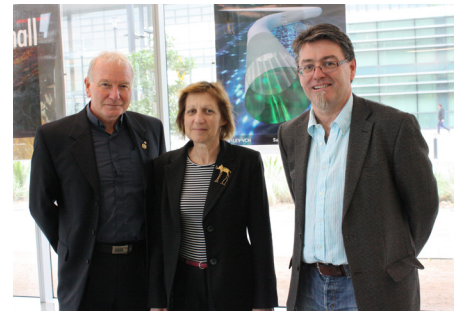
In one of his first official visits the newly elected Lord Mayor of Wollongong Cr Gordon Bradbery was hosted at iC by Deputy Vice Chancellor Research Prof Judy Raper and iC director David Campbell on 28th September.

The visit which came only a couple of weeks after Cr Bradbery was sworn in after recent council elections is a demonstration of how important iC is to the Wollongong community and economic transition.

Lord Mayor Bradbery was briefed on the background, funding source and use of each of the buildings on the campus along with an overview of the tenants and their links with the university, through research, student placement or recruitment of graduates.

Professor Gordon Wallace gave an overview of the research being undertaken at the AIIM facility.

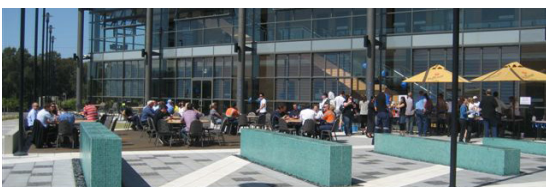
The opportunity was also taken to point out that the next building at iC will be the SBRC and the Lord Mayor was briefed on the collaborative research partners involved in that project.



(From Left) Lord Mayor of Wollongong Cr Gordon Bradbery, Deputy Vice Chancellor Research Prof Judy Raper and Professor Gordon Wallace

iC Hosts “Sizzle for a Cause” for its 3rd Year

The annual iC Sizzle for a Cause was held with overwhelming success on Friday 24th September at the Innovation Campus.



Supporting the Breast Cancer Foundation of Australia and the Prostate Cancer Foundation of Australia, the BBQ collected almost \$3,500 and raised much needed awareness about the two worthy causes. On a stunning 31 degree day, the BBQ attracted over 250 staff, students and guests.

Again the iC was supported by the Commonwealth Bank of Australia Business Banking Centre and many other tenants on Campus including; Cancer Council, Itree, L3 Nautronix, BHP Billiton Illawarra Coal, IRIS Research, iC Health and Resolve FM. A special thank you to the following companies for their kind donations on the day: Baulderstone, Falcone Bakery, Kollaras Group, Keiraville Butchery, Lacuna Café, Novotel Northbeach, The Good Guys Warrawong and Dion's Bus Service.

We look forward to a bigger and better BBQ in 2012!

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ANCORS Runs Resources Management Program for Indonesian Government

Twenty-five senior officials from Indonesia's Ministry of Marine Affairs and Fisheries have travelled to Australia to undertake a high profile resources management program led by UOW's Australian National Centre for Ocean Resources and Security (ANCORS) which is located at the Innovation Campus.



Australian Leadership Award Fellows and visiting officials from Indonesia pose for a photograph with ANCORS Director Professor Martin Tsamenyi

The professional training program is the offshoot of an Australian Leadership Award (ALA), granted jointly to ANCORS and the Indonesian Ministry to address issues important to regional development.

According to ANCORS Director Professor Martin Tsamenyi, focusing on the sustainable management of fisheries may help problems created by the illegal fishing trade.

“The program is designed to increase the capacity of ALA Fellows,” Professor Tsamenyi said.

“It aims to promote and implement the sustainable management of fisheries resources in Indonesia, particularly in addressing illegal, unreported and unregulated fishing, emphasising the country's obligations under international and regional agreements,” he said.

With an emphasis on capacity building, the program canvasses topics from fisheries conservation to control and surveillance. Discussions will also deal with legal and policy framework, fisheries development, trade and management.

ALA Fellows comprise members from the Center for Analysis of International Cooperation and Institutions; the Agency for Marine Fisheries Human Resources Development; the Department of Aquaculture; the Legal and Organisational Affairs Bureau; the Department of Capture Fisheries; the Agency for Fish Quarantine and Inspection; and Marine, Coastal and Small Islands Affairs.

The Sustainable Management of Fisheries Program runs from September 5 – October 8. For further information, please call ANCORS on (02) 4221 4883.

Tour Duchenne Visits Innovation Campus

Researchers at the ARC Centre of Excellence for Electromaterials Science (ACES), which is located at the Innovation Campus jumped at the opportunity to meet with and support those who could benefit from their efforts in the field of bionics research, when the Tour Duchenne rode into town on Monday 12th September.

Prof Rob Kapsa, Dr Kerry Gilmore and PhD student Ryan Sullivan rode the final 10kms into Wollongong, escorting the twenty three cyclists riding almost 400km from Sydney to Canberra to raise money for Muscular Dystrophy, a condition with no cure that affects 1 in 3,500 boys.

The Tour was met with applause on Innovation Campus as many researchers and students from ACES gathered to support the riders' efforts. During their lunch at iC, the cyclists learned about the current research in this area and met with local media.



“As part of on-going studies that started some ten years ago, our most recent work aims to develop new materials that are able to correct mutations that cause Duchenne Muscular Dystrophy whilst promoting effective regeneration in the affected muscle tissue,” said Professor Rob Kapsa, ACES Bionics Program Co-Leader.

“Events such as these greatly motivate and focus scientists in their battle to achieve significant research results.”

ACES Cements its Leading Role in Medical Bionics

Further proof that the University of Wollongong's ARC Centre of Excellence for Electromaterials Sciences (ACES) is at the Australian forefront of medical bionics was cemented on 14 September with the signing of a joint international collaborative research agreement.



Signing the formal agreement between Shimmer Research and ACES are Deputy Vice-Chancellor (Research) Professor Judy Raper and Dr Keiran Daly from Shimmer. Watching on are Professor Peter Choong (St Vincent's Hospital Melbourne) and Professor Gordon Wallace (ACES Executive Research Director and IPRI Director)

A strategic relationship has been forged between ACES and Irish wearable sensor company, Shimmer Research, which will lead to wearable bionic devices used post operatively to improve patient recovery times.

Patients undergoing treatments such as orthopaedic surgery will be able to reduce their stay in hospital by wearing sensors strapped to their bodies which will feed vital rehabilitation information back (via a software program) to the patient and hospital.

The collaboration brings together the new materials and fabrication expertise at ACES, with the wearable wireless communication technology of Shimmer Research. A leading company in its field, Shimmer Research currently ships products to more than 50 countries worldwide.

The Executive Research Director of ACES and Director of the Intelligent Polymer Research Institute, Professor Gordon Wallace, said that with input from ACES members (including world renowned orthopaedic clinicians from St Vincent's Hospital Melbourne) the agreement will allow work on building bionics devices that will improve the quality of life for a large number of elderly people and those recovering from injury.

"This is an exciting day striking up this collaboration which I believe will work very effectively," Professor Wallace said.

UOW Deputy Vice-Chancellor (Research), Professor Judy Raper, earlier welcomed guests to the launch and highlighted how vast commercial market opportunities (such as the collaboration with Shimmer) are now available with the new federally-funded Australian Institute for Innovative Materials (AIIM) Processing and Devices Facility coming on line at the Innovation Campus.

It is the first facility of its kind in Australia. Currently there are no facilities available in the country to produce multifunctional materials at the scale and quantity required to bridge the so-called 'valley of death' to commercialisation. It has been erected alongside the existing AIIM Building at the Innovation Campus. For further information, please call the AIIM facility on (02) 4221 3271.



Mum's and Bub's Fitness

4 week program starts Tuesday 11th October (Tuesday and Thursday at 9.30am at the Innovation Campus, North Wollongong)

A child friendly fitness class just for mums and the sessions are specifically targeted for female post-natal needs.

ONLY \$99

Sign up and go into the draw to win one of two Lorna Jane gift vouchers valued at \$50 each

For more information or to sign up, contact Hannah on 4221 4666 or email: hannahl@uow.edu.au



During school holidays, The Science Centre will have several special events. In the first week of the holidays we will have children's workshops which are so popular that they always book out early. Also in the Illawarra Coal Science Theatre, there will be spectacular chemistry shows by internationally recognised presenter Peter Wothers, from Cambridge University. These will be held Monday to Thursday at 11am and 2pm.

The planetarium has acquired an amazing new show for the holidays – Attack of the Space Pirates. With a mixture of real science and science fiction, this space adventure show is suitable for all ages.

The Science Centre would appreciate the bay marked 'Science Centre Patrons' being filled last so that families with young children and prams are able to park as close as possible."