

# FACULTY OF SCIENCE EMAIL BULLETIN FOR RESEARCH STAFF

**Bulletin 7/2004**

(11 June 2004)

## Items for inclusion in this bulletin

Please forward any items to Matt Randall ([matt.randall@sci.monash.edu.au](mailto:matt.randall@sci.monash.edu.au))

Requests should include full information on application / nomination procedures, dates and deadlines, and contact details or links to further information.

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## Part A: News and events

### 1. ARC Centres of Excellence round in 2004

Extracted from the agenda for CADRES meeting 4/2004 (10 June 2004):

There will be a new ARC Centres of Excellence round this year, with Expressions of Interest sought in July and full applications due in September.

Further details will be provided as soon as they have been made available from the ARC or RGEB.

## **2. ARC Pilot discussion paper for newly proposed Special Research Initiative: e-Research Support is now available for consultation**

The ARC has released a pilot discussion paper for the newly proposed Special Research Initiative, e-Research Support. This is available to view online at:

[http://www.arc.gov.au/pdf/e-Research\\_support\\_discussion\\_paper.pdf](http://www.arc.gov.au/pdf/e-Research_support_discussion_paper.pdf).

## **3. Fringe Inventions 04**

A message from Ms Colleen Burke, Fringe Inventions and Furniture Producer 04:

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I am seeking amazing inventions and trend-setting designs to exhibit at this Melbourne Fringe produced Event. Would you be so kind as to put me in touch with lecturers or students who may have a creation that they may be willing to put on display. Fringe Inventions will showcase products from the emerging innovators of the future and celebrates the art of invention and design.

We are seeking prototypes from a range of disciplines be it architecture, design, engineering, science or the arts. This project is supported by the Department of Industry, Innovation and Regional Development and the City of Stonnington. Roger De Salle, the chair of Innovic and regular judge from the ABC inventors program will be evaluating the ideas presented on the merits of its originality and design qualities. The ABC inventors producer is keen to feature elements of the exhibition and winning inventions on their show and website.

I am presently seeking a range of incentives through the Australian Business Arts Foundation. We would like to offer business and legal advice to any potentially marketable designs. Innovic will offer a mentorship as a prize, which is basically practical assistance in developing a product in its early stages.

To raise the standard of entries in this year's competition. I am approaching a number of key people in Tertiary institutions across Victoria. Melbourne Fringe is committed to offering innovative inventors and designers the opportunity to forge industrial and commercial relations. Young and emerging inventors and designers value connections, professional development and industry links to realise their potential.

Fringe Inventions was housed at Chapel off Chapel Gallery for the first time in 2003 and received an inordinate amount of publicity. Melbourne Fringe will be holding a family day on the final day of the exhibition, October 10 to encourage Australia's next generation of Inventors and harness the community interest in Innovation. Our aim is that the Fringe Inventions awards become a benchmark for quality, design and innovation. Fringe Inventions has grown from humble beginnings over the past 3 years. Previous entrants have gone on to become established and successful designers and inventors.

A relationship with Monash University and other leading Tertiary institutions will uncover the most talented innovators that Australia has to offer. The Awards will be held at the launch of Fringe Inventions. This year the opening will be held on September 26.

Thanks for your time in considering my request and I look forward to discussing how your University may be involved in Fringe Inventions 04.

I can be contacted at Melbourne Fringe on 8412 8788 or on my mobile 0408 318 346.

Regards

Colleen Burke  
Fringe Inventions and Furniture Producer 04

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#### **4. Community of Science database**

##### ***About Community of Science (COS)***

Monash University has subscribed as a full member to the Community of Science (COS), which links researchers in all academic disciplines worldwide, providing information on funding opportunities and a range of other services. Monash University has purchased university wide membership to COS, available to current staff in all Monash campuses worldwide. The COS web site is the largest Internet site for the global R&D community and from 2004 the Australian Vice Chancellors Committee (AVCC) has negotiated arrangements for subscription to COS in addition to the existing arrangements for subscription to SPIN plus. It is expected this service will help promote research collaboration and funding opportunities for your Faculty.

##### ***Membership grades***

COS membership is open to all Monash staff currently employed in "Teaching and Research" or "Research Only" contracts.

Postgraduate research candidates are also eligible for membership.

General staff are also eligible for membership if they are currently involved in one of the following:

1. research administration
2. research communication
3. research policy / law
4. research commercialisation

Membership is then valid for the duration of time that eligible staff and postgraduate candidates hold a Monash email account.

##### ***How apply for membership***

1. Visit <http://www.monash.edu.au/resgrant/grantinfo/index.html>
2. Scroll down to 'Searching for specific funding opportunities'
3. Select 'COS (Community of Science)'
4. Click on 'Join' and follow the prompts

#### **5. Australian Biotechnology Summit 2004 - Sydney Convention Centre (5-6 July 2004)**

This seminar will bring together government representatives, significant organisations and leading industry figures with the aim of presenting the latest developments and future trends in the Australian Biotechnology industry, research and development. The early registration fee is \$995 + GST.

##### ***Venue***

Pymont Room, Sydney Convention & Exhibition Centre Darling Drive, Darling Harbour, Sydney NSW 2000

## **Registration**

[www.acevents.com.au/biotechnology2004/index.html](http://www.acevents.com.au/biotechnology2004/index.html)

## **Further information**

Ms Blandina McFarland

Tel: 02-9460-2123

Email: [blandinam@acevents.com.au](mailto:blandinam@acevents.com.au)

## **6. AMSI Winter School (5-9 July 2004)**

The Department of Mathematics and Institute for Molecular Bioscience, The University of Queensland, will host a workshop - Australian Mathematical Sciences Institute (AMSI) Winter School in "Mathematics and Computational Biology".

The school is aimed at PhD, MSc and honours students in mathematics and statistics, information technology and computer science, biosciences, bioinformatics, physics and other fields of science, as well as researchers in other areas who are interested in broadening their horizons. We intend to expose these students to skills and research problems in specific forefront areas of computational biology. Topics to be covered include:

- Complex biological systems
- Pattern analysis and data mining
- Computational modelling and visualisation of cells
- Computational complexity
- Parallel computing and simulation

All topics will have a biological component, but the overall focus is not exclusively biological. Topics such as pattern analysis and data mining, computational complexity, and parallel computing will have direct usage to students studying in non-biological fields.

## **Further information**

<http://research2.imb.uq.edu.au/amsi/>

## **7. Sport and Physical Activity Workshop announcement and call for abstracts (15-16 July 2004)**

Monash University has a wide range of research interests in sport, together with excellent sports facilities and educational programs. A workshop will be held on 15 and 16 July 2004 to showcase our sport research profile, and to conduct a workshop on the desirability of forming a Sports Research centre or Network at the university. The conference will be held over two days, with a dinner. The first day will be devoted to brief presentations of research by active Monash researchers. The second day will consist of workshops, towards a decision of whether to establish a Sports Research Centre, and if so its structure, aims, and a vision.

All interested Monash staff and affiliates are invited to submit abstracts and / or to register for the meeting. The organisers are keen to have as wide a cross-section as possible of the Monash Community attend and contribute their ideas to this issue. There will also be opportunities to mount displays and interested parties should contact the Project Coordinator in the first instance. This may be of interest to Monash people with sports interests other than research, and private sector sponsors.

## **Deadline for submission of abstracts / registration/**

Tuesday, 15 June 2004

**Date:** 15 and 16 July 2004

**Times:** 9:30 am to 5:00 pm / 9:00 am to 12:00 pm

**Venue:** Bayview Conference Centre, Bayview Road, Clayton

**Registration fee:** \$75 (dinner and outgoing costs)

***Further information***

Project Coordinator

Dr Nigel Stepto

Department of Physiology, School of Biomedical Sciences

Faculty of Medicine, Nursing and Health Sciences

Tel: 03-990-52543

Email: [Nigel.Stepto@med.monash.edu.au](mailto:Nigel.Stepto@med.monash.edu.au)

**8. Review of the NHMRC Fellowships Scheme, Program Grants Scheme and the proposed Single-Investigator Program Grants Scheme**

The NHMRC is reviewing several of its funding schemes, including Fellowships, Program Grants and the proposed Single-Investigator Program Grants and invites comment from the research community.

The consultation process includes:

- Discussion Paper for each of the Schemes;
- Questionnaire for each of the Schemes to be submitted electronically by \*COB Friday 23 July 2004; and
- Public consultation meetings during the months of June/July 2004 (dates soon to be announced).

Details are available on the NHMRC web site at:

<http://www.nhmrc.gov.au/research/revfell.htm>

**9. International workshop on "Insect Sensors and Robotics" (23-26 August 2004)**

The Sir Mark Oliphant International Frontiers of Science and Technology Conference Series is managed by the Australian Academy of Science, the Academy of Technological Sciences and Engineering (ATSE), and Engineers Australia. It supported by the Department of Education, Science and Training (DEST) under the Innovation Access Program.

The workshop will bring together creative roboticists with the best biologists, working on the structure and function of insect sensory and flight motor systems, to design novel, biologically inspired Micro UAVs and legged vehicles for a variety of applications.

The workshop will take place immediately after the International Congress of Entomology, which will also be held in Brisbane. The workshop will be a boutique event with a maximum of 150 participants.

If you are interested in attending, please ensure early registration.

***Venue***

Emmanuel College

The University of Queensland, Brisbane

**Further information and registration**

<http://isr.rsbs.anu.edu.au/>

**10. Research Grants and Ethics Branch (RGEB): 'What's coming up?' web page**

The Research Grants and Ethics Branch (RGEB) maintains a page of upcoming news and events for researchers at [www.monash.edu.au/resgrant/general/latestnews/index.html](http://www.monash.edu.au/resgrant/general/latestnews/index.html)

**Part B – Grants and Fellowships opportunities**

**11. Monash Fellowships 2004** (June 2004 - various dates)

Details of the three categories operating under this scheme are given online at <http://www.monash.edu.au/resgrant/grantinfo/Monash/index.html>

**(a) Category 1 Full Fellowship**

Open to researchers in any discipline outside Monash University and is accessible to all. This category is being advertised in The Australian Higher Education Supplement on 5 and 12 May 2004.

***Deadline for applications***

Wednesday, 30 June 2004 with RGEB

**(b) Category 2 - Fellowship Support Grants (Monash access only)**

For Monash nominated successful Australian based researchers in all disciplines from outside Monash University who wish to move to Monash to enhance their research career.

***Deadline for applications***

Monash nominations accepted at any time of the year.

**12. Young Scientist of the Year Award 2004** (30 June 2004)

Presented by The Australian n association with the British Council Australia.

If you are a qualified scientist or engineer, keen to get the "inside story" on the news media, The Australian and British Council Australia are now running the Young Scientist of the Year Award, exclusively for Australian researchers at the start of their career.

The award offers the opportunity to win a trip to the UK to the value of \$5000 to report live from the 2004 British Association Festival of Science for The Australian/and British Council Australia's website, mindSET. The winner will also receive a maximum of two weeks valuable media training at The Australian Sydney bureau and three days media training at a major daily newspaper in London. The award is designed to give an early career scientist a first-hand look at how a newspaper operates and enhance the ability to work with journalists throughout their career and to encourage them to share their experiences with their colleagues.

***Requirements for entries***

Write an original science news story no more than 550 words, and in a style suitable for publication in the Science section of The Australian.

For more information and competition rules:

**Website:**

<http://www2.britishcouncil.org/au/mindset/mindset-opportunities/mindset-young-scientist-award.htm>

Email: [sciencewriting@britishcouncil.org.au](mailto:sciencewriting@britishcouncil.org.au)

Telephone: (02) 9326-2022

**Deadline**

Entries close Wednesday, 30 June 2004.

**13. Support for Frontiers of Science and Technology Missions and Workshops (1 July 2004)**

The Australian Academy of Technological Sciences and Engineering (ATSE) receives funding from the Department of Education, Science and Training (DEST) for the Frontiers of S&T Missions and Workshops element of the Innovation Access Programme - International S&T Networks, as detailed in the Australian Government's Innovation Statement, 'Backing Australia's Ability'. In order to strengthen and further the objectives of the Innovation Access Program, ATSE is offering Australian researchers an opportunity to submit expressions of interest for international activities during the financial year 2005-2006. Support will only be provided for the following activities:

- (a) overseas missions by Australian scientists and technologists and missions by overseas researchers in similar disciplines into Australia;
- (b) participation by Australia's scientific and technological community in workshops held outside Australia by foreign organisations;
- (c) workshops held in Australia in which a significant number of the lead participants are from outside Australia; and
- (d) a program of site visits will be arranged in conjunction with workshops referred to in (b) and (c), but the workshops must be the predominant activity.

All EOI Proposals will be assessed by the International Relations Committee of ATSE against the goals and priorities of the Innovation Access Program. Administrative and financial support for selected activities will be provided by ATSE.

**Strategic Priority Countries**

DEST Country priorities at this time include China, France, Germany, Italy, Japan, Korea, UK, USA, and also the European Union.

**National Research Priorities**

1. An Environmentally Sustainable Australia - including water, sustainable use of Australia's biodiversity, responding to climate change and variability
2. Promoting and Maintaining Good Health - including preventive health care
3. Frontier Technologies for Building and Transforming Australian Industries - including frontier technologies and advanced materials
4. Safeguarding Australia - including critical infrastructure, transformational defence technologies

**Deadline for EOI Proposal**

Friday, 1 July 2004

**Further information**

Web: [www.atse.org.au/index.php?sectionid=548](http://www.atse.org.au/index.php?sectionid=548)

Email: [elizabethm@atse.org.au](mailto:elizabethm@atse.org.au)

#### **14. Funding for Monash-King's Conferences (12 July 2004)**

The Principal of King's College London and the Vice-Chancellor of Monash University are pleased to announce a new fund of \$250,000 or £100,000 to support five Monash-King's Conferences over the next five years. Four of these will be at the Monash Prato Centre in Italy and one at the Monash University South Africa campus in Johannesburg.

Departments and schools at Monash and King's are invited to submit joint conference proposals for a conference in 2005.

#### ***Further information and application form***

<http://www.monash.ac.uk/latest/conference-grants.html>

#### ***Deadline for applications***

Monday, 12 July 2004 (emailed to [monash@kcl.ac.uk](mailto:monash@kcl.ac.uk))

#### **15. ATSE Clunies Ross Award 2005 (16 July 2004)**

Since 1991 this award has recognised and honoured 80 persons for their successful application of science and technology for the economic, social, or environmental benefit of Australia. These people have devoted themselves to applying science and technology to create new business, advance industry, and solve community problems. Their diverse achievements have resulted in a better future for us all. Winners will be announced at the award ceremony dinner in March 2005 at the Sofitel Melbourne.

The Deputy Vice-Chancellor, Professor Edwina Cornish, has noted that it is important for Monash University to lift its research profile by nominating our best people for these awards.

#### ***Further information and nomination form***

[www.cluniesross.org.au](http://www.cluniesross.org.au)

#### ***Deadline***

Friday, 16 July 2004 (with the Deputy Vice-Chancellor, Professor Edwina Cornish)

#### **16. Research Grants and Ethics Branch (RGEB): funding opportunities web page**

The Research Grants and Ethics Branch (RGEB) maintains monthly lists of research grant funding opportunities on its website at <http://www.monash.edu.au/resgrant/grantinfo/digest/indexes/rgmonth.html>.

### **Part C: Dates and deadlines**

#### **17. Summary of upcoming dates and deadlines**

##### **Tuesday, 15 June 2004**

- Deadline for submission of abstracts for Sport and Physical Activity Workshop (Monash University - Clayton)
- Deadline for registrations for Sport and Physical Activity Workshop (Monash University - Clayton)

##### **Wednesday, 30 June 2004**

- Deadline for applications for Monash Fellowships 2004 - Category 1 (Full Fellowship)
- Deadline for applications for Young Scientist of the Year Award 2004

**Thursday, 1 July 2004**

- Deadline for applications for Support for Frontiers of Science and Technology Missions and Workshops

**Monday, 5 July 2004 - Tuesday, 6 July 2004**

- Australian Biotechnology Summit 2004 (Sydney)

**Monday, 5 July 2004 - Friday, 9 July 2004**

- AMSI Winter School (Brisbane)

**Monday, 12 July 2004**

- Deadline for applications for funding for Monash-King's Conferences (12 July 2004)

**Thursday, 15 July 2004 - Friday, 16 July 2004**

- Sport and Physical Activity Workshop (Monash University - Clayton)

**Friday, 16 July 2004**

- Deadline for applications for ATSE Clunies Ross Award 2005

**Monday, 23 August 2004 - Thursday, 26 August 2004**

- International workshop on "Insect Sensors and Robotics" (Brisbane)

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