



WELCOME

Welcome to your final FMDAT newsletter - and not only for 2011! I am very pleased to advise that FMDAT has now formally been recognised as a University Institute – and thus we are now called The Medical Device Research Institute (MDRI).

From 2012 we will have new marketing materials, including newsletters, research booklets and templates to support the Institute branding efforts.

In addition, we will be undertaking a strategic review of our role, structure and membership (more information on this will be distributed shortly).

Finally, to celebrate this exciting new development, we will be holding an official launch of the Institute early next year - more details to come soon.

I look forward to working with you all in 2012 and making the Institute the recognised leader in Australia for medical device research.

Karen Reynolds
Leader, Flinders Medical Devices & Technologies

NEWS

THE MEDICAL DEVICE RESEARCH INSTITUTE (MDRI) - rationale behind the new name?

When looking for a name to accurately reflect the capabilities of the Institute, it was important to ensure the name also portrays our long term vision and goals. We believe the new name facilitates our vision to be recognised as the leader in our field and 'the place in Australia' for medical device research and associated technologies.

The Medical Device Research Institute (MDRI) also positions itself to be the home for the Medical Device Partnering Program (MDPP), an award-winning program which has attracted a lot of interest Australia wide, and is recognised for its role in linking researchers, clinicians, industry and end-users.

Despite the removal of "and technologies" from the name, the Institute remains broad in its research context, encompassing related technologies which may not themselves be 'devices' but rather are supporting technologies. For example, signal processing, image analysis, control systems and health informatics, to name a few. If you would like more information about what the Institute might mean for you, please do not hesitate to contact Ms [Carmela Sergi](#), Manager, Strategic Initiatives.

MEMBER SUCCESS

Congratulations to the following members;

- [Prof Karen Reynolds](#) was recently elected as a 2011 Fellow of the Australian Academy of Technological Sciences and Engineering (ATSE).
- [Prof Michael Bull](#) was selected as one of four finalists in the SA Scientist of the Year. This is a fantastic achievement and is due recognition for an outstanding career.
- [Dr Paul Gardner-Stephen's](#) Serval Project was selected as one of only 10 finalists in the world in the Ashoka Changemakers Citizen Media Competition. Well done to all involved.
- ALTC Citation
Congratulations to [Prof Karen Reynolds](#), [A/Prof Kenneth Pope](#), [Dr Sherry Randhawa](#) and [Mr David Hobbs](#) on their outstanding achievement on being awarded an ALTC citation - *For teaching, supporting and inspiring students to learn, innovate and succeed as professional biomedical engineers*. A special thanks to [Ms Kate Deller-Evans](#) for her contributions in preparing the submission.
- Medical Device Grant Successes
 - ◆ NHMRC Project
[A/Prof Peter Catcheside](#) et al: The clinical effectiveness of a simple new treatment for supine-dependent obstructive sleep apnoea (\$512,776).
 - ◆ ARC Discovery
[Prof Leon Lack](#) et al: Biological and behavioural rhythms of Delayed Sleep Phase Disorder (\$205,000)
 - ◆ Channel 7 Children's Research Foundation
[Dr Martin Caon](#), [Dr Gobert Lee](#), [Dr Mariusz Bajger](#) and [A/Prof Murk Bottema](#): Paediatric anatomy modelling and radiation dose calculation for minimising radiation dose to children from CT examinations (\$75,000).
 - ◆ Women's and Children's Hospital Research Foundation
Dr Ray Russo with [Mr David Hobbs](#) and [Prof Karen Reynolds](#) et al: Determining the prevalence of sensory dysfunction in the hands of children with Cerebral Palsy (\$45,300).
 - ◆ Flinders Uni Collaborative Research Grants Scheme
[Dr Shaowen Qin](#): Hospital patient flow process mining and congestion relief.



UPCOMING GRANT DEADLINES (External)

- **NHMRC**
Flinders RSO Internal Deadline - 22 Feb 2012
- **ARC Discovery Projects**
March 2012 - TBA
- **ARC Discovery Early Career Research Award**
March 2012 - TBA

SOME STORIES IN THE MEDIA...

- **[Car components firm sees light](#)**
Prof Leon Lack and Dr Helen Wright, The Advertiser, 13 December 2011.
- **[Clever Me](#)**
Dr Martin Luerssen, Channel 7 (Adelaide), 26 November 2011.
- **[Here comes an even smarter phone](#)**
Dr Paul Gardner-Stephen, The Advertiser, 12 November
- **[Karen Reynolds elected to ATSE](#)**
Prof Karen Reynolds, The Australian, 5 November 2011
- **[Hexapod Robot](#)**
Dr John Costi, Mr Richard Stanley and Mr Boyin Ding , Nine News (Adelaide), 27 September 2011.
- **[Cerebral Palsy - Games to boost skills](#)**
Mr David Hobbs, The Advertiser, pg. 22, 19 September 2011.



UPCOMING EVENTS

THE MEDICAL DEVICE RESEARCH INSTITUTE LAUNCH

We will be formally launching our new Institute in the new year and at this stage, we are planning towards March 2012. More details will be distributed in the coming month so stay tuned.

EVENT SCHEDULE 2012

We will be holding a number of events throughout 2012, and more information will be distributed shortly. If you have any ideas or requests in regards to event themes or speakers, please contact kelly.burton@flinders.edu.au at any time.

PAST EVENTS

MDPP CHRISTMAS PARTY

The MDPP Christmas Party was held on Wednesday 7th December in the Engineering Courtyard, Flinders University. Over 50 people attended the event, including FMDAT members, industry associates and MDPP partners. It was great to see everyone getting into the Christmas spirit and celebrating the year's successes.



AUSBIOTECH CONFERENCE

The 2011 AusBiotech Conference was held on the 16th to 19th October at the Adelaide Convention Centre. FMDAT and MDPP shared a Flinders University double booth with the Molecular Technologies and the Medical Biotechnology research areas of the University. The booth was successful in raising the profile of the University.

HEXAPOD ROBOT - LAUNCH

On Tuesday 27 September, the Hexapod Robot was launched in front of approximately 80 visitors, staff members and collaborators. Ms Christine Dennis, Chief Executive Officer, Southern Adelaide LHN attended the launch on behalf of Minister John Hill. The launch attracted plenty of interest and media attention.

MEDICAL DEVICE PARTNERING PROGRAM (MDPP) - UPDATE

MDPP WIN NATIONAL AWARD

The MDPP was named Best Research & Development Collaboration in the prestigious annual Business/Higher Education Round Table (B-HERT) Awards on 10th November 2011.

This is a real testament to the involvement of all partners across the collaboration.

MEDICAL DEVICE COMMERCIALISATION PROGRAM (MDCP)

The Medical Device Commercialisation Program (MDCP) is a \$500,000 per annum, competitive commercialisation program funded by the South Australian Government, through the Department of Trade and Economic Development (now DMITRE).

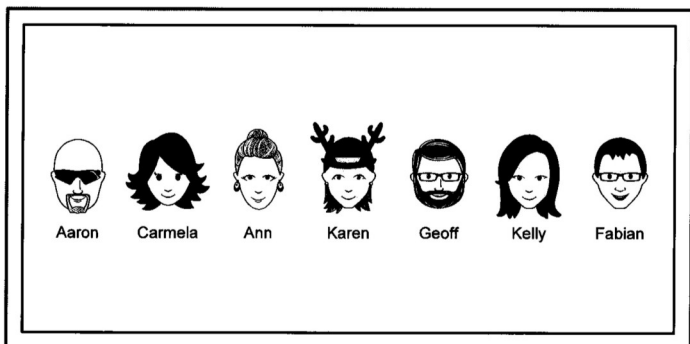
MDPP's role in this program is to administer the MDCP grant applications and undertake project work as necessary.

Since the program was launched on 29th March, there have been three grant rounds with 14 projects granted funding.

INNOVATIONS IN RESEARCH

On 1st November 2011 the MDPP held a networking breakfast and presentation on 'Innovations in Research'. Attended by 40 people, the event provided an overview of three areas of relevance for medical device development in the near future. Thank you to Prof David Lewis (Molecular Technologies Research Cluster), Prof Rob Short (Mawson Institute, UniSA) and Dr Paul Gardner-Stephen for their interesting presentations.

The MDPP team would like to wish everyone a Merry Christmas and Happy New Year.

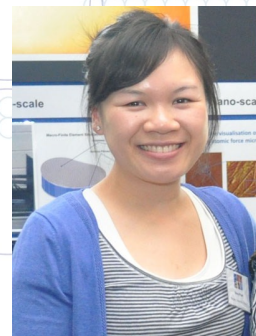


We wish you a Merry Christmas

STUDENT CORNER

Well there is plenty of student success to celebrate in this edition, so keep up the good work guys!

Congratulations firstly to Dr Sherry Randhawa and Dr Anne-Louise Smith who were both recently awarded their PhD's - well done to you both!



Well done to Tony Carlisle who won the Biomedical Engineering section of the Annual Student Papers Night, in what was a very competitive event held on 5th December.

Congratulations to David Hobbs who did us all proud by winning the final stage of the Three Minute Thesis (3MT™) competition at Flinders University. David then represented the University at the Australia and New Zealand grand final in Perth, where he won a book prize for the top 3 science presentations, as awarded by last year's winner.

As you know, this section of the newsletter is dedicated to news and announcements for student members, so please keep me informed of any grants, awards, or completed theses!

I hope you all have a fantastic break and I look forward to seeing you in 2012.

*Cheers,
Diana Pham
FMDAT Student Representative*

FMDAT MEMBER PROFILE

David Hobbs Research Focus:

Rehabilitation engineering (broadly) and my PhD is focused on developing a novel intervention to improve tactile sensory perception in the hands of children with cerebral palsy.



When he's not working, David enjoys...

Relaxing with the family, watching movies or sport, eating, playing Lego (with or without the kids), or playing with my new mini remote control helicopter (a 2011 birthday present!).

David's favourite food is...

Where do I start? Most Thai, especially Pad Thai, most Italian, especially lasagne and cannelloni, and then there's homemade pizza, homemade pumpkin soup (with crusty bread), just about anything my wife or mother-in-law makes...

The last movie that David watched was...

The final Harry Potter movie (in the cinema) and Red Dog (on the plane).

David's favourite television show is...

Big Bang Theory, closely followed by Guren Planet .

David's favourite movie is...

Anything with the word 'Star Wars' in it, and "Love Actually".

David is currently reading...

Freakonomics (it will blow your mind).