



Eugene Cambell from Christchurch in the Massey laboratory

Summer 'Nanocamp' keeps young scientists indoors

Twelve leading secondary school science pupils spent a week at the Manawatu campus learning the wonders of nanoscience during Nanocamp in January.

The annual camp, sponsored by the MacDiarmid Institute for Advanced Materials and Nanotechnology, sees pupils take part in workshops covering nanoparticles, microscopy and the use of optical tweezers.

Senior chemistry lecturer Dr Shane Telfer says the camp gives potential students the chance to experience university-level science and hopefully get them interested in pursuing it at a tertiary level.

Participants were chosen from across New Zealand and included 16-year-old Eugene Campbell from Shirley Boys' High School in Christchurch, who described the camp as an enjoyable alternative to previous summers.

Secondary school pupils are invited to showcase their innovative ideas for the New Zealand economy at the third annual ANZ-Massey Economics Challenge on Friday September 2.

The competition will be hosted simultaneously on the Albany and Manawatu campuses and for the first time at Toll Stadium in Whangarei.

Teams of three will take part in a microeconomics team quiz, based on the year-13 curriculum and a macroeconomics team presentation on the topic: Savings: Are Kiwis bad savers? Does it matter?

College of Business scholarships of \$2000 towards full-time study will be awarded to the winners with \$1000 scholarships for the runners-up.

Register online: econchallenge.massey.ac.nz



MASSEY UNIVERSITY
TE KUNENGA KI PŪREHUROA

LIAISON ADVISERS

AUCKLAND

Email: studentliaisonak@massey.ac.nz



Deb Buchanan
Ph: 09-414-0836
Fax: 09-414-0810
Mobile: 0275-550-593



Aisling Kennedy
Ph: 09-414-0800 ext 9212
Fax: 09-414-0810
Mobile: 0275-550-581



Ainsley O'Connell
Ph: 09-414-0800 ext 41532
Fax: 09-414-0810
Mobile: 0275-557-581



Terri Leo-Mauu (Pasifika Liaison)
Ph: 09-414-0800 ext 41299
Fax: 09-414-0810
Mobile: 0274-949-029

TAURANGA



Karen (Kaz) McLaren
Ph: 07-571-6946
Fax: 07-571-6958
Mobile: 0275-550-736
Email: k.mclaren@massey.ac.nz



Kerre Devonport-Ward
Ph: 06-845-9190
Fax: 06-845-9199
Mobile: 027-666-1581
Email: k.d.ward@massey.ac.nz

PALMERSTON NORTH

Email: studentliaisonpn@massey.ac.nz



Trevor Weir
Ph: 06-350-5932
Fax: 06-350-5718
Mobile: 0275-550-738



Brent Costley
Ph: 06-350-5938
Fax: 06-350-5718
Mobile: 0275-550-731

WELLINGTON

Email: studentliaisonwn@massey.ac.nz



Lorraine Archbold (part-time)
Ph: 04-801-5799 ext 6896
Fax: 04-801-2680
Mobile: 0275-550-745



Rachel Kershaw
04-801-5799 ext 6655
Fax: 04-801-2680
Mobile: 021-423-175



Belinda Weepu
Ph: 04-801-5799 ext 6862
Fax: 04-801-2680
Mobile: 021-423-605

CHRISTCHURCH



Tom Music
Ph: 03-372-9130
Fax: 03-372-9136
Mobile: 0275-550-741
E-mail: t.music@massey.ac.nz

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For enquiries and feedback: please email b.r.costley@massey.ac.nz

Web: <http://liaison.massey.ac.nz>

Freephone: 0800 MASSEY (627 739)



MASSEY UNIVERSITY
TE KUNENGA KI PŪREHUROA

COMMUNICATOR

NEWS AND INFORMATION FOR SCHOOLS

Winter-Hōtoke 2011



Kerri Morgan
Wildlife Veterinarian

Open Days

Manawatu
Wednesday August 3

Albany
Saturday August 13

Wellington
Friday August 26

The "New" New Zealand

As New Zealand's defining university, Massey has always played a part in shaping our nation, and its people are committed to taking what is special about New Zealand to the world.

The University's new campaign links to the concept of the 'new New Zealand.' During the past few years the image of New Zealand has developed on the international stage where we are now seen as a country that is carving its own path, achieving great things, breaking new ground and applying a 'kiwi' design. Many of the New Zealanders who have helped evolve the image of New Zealand are connected with Massey University, either as alumni, current staff or students.

We have asked some of these 'Defining People' to tell their story of how they have contributed to 'the new New Zealand. These stories will appear in tv commercials, but also through a website www.engine.co.nz

This website is a great resource as it not only shows the amazing work each person has done, it also shows what they studied, and information about the industry they are involved in.

The website is designed to be a resource for prospective students and their families and also schools to assist in the all important decisions around careers and tertiary study.



Meet more of our defining people at:
www.engine.ac.nz

0800 MASSEY
www.massey.ac.nz



“It’s really good to have an opportunity to continue to study while travelling with the Black Sticks hockey team. I was studying internally but have switched to distance-learning, with Massey’s help, this year because of overseas commitments.”
 – BBS student Blair Tarrant

New Zealand’s first athlete-friendly university

- Number one for high performance athletes
- Home to the country’s leading sport science researchers

Massey leads the way as New Zealand’s first athlete friendly university. Massey University has become the first New Zealand university to sign up to a new ‘Athlete Friendly Tertiary Network’ set up by the New Zealand Academy of Sport.

The academy has recognised Massey’s drive to nurture high performance athletes and wants all universities to join the network.

The network will be made up of tertiary institutions that agree to adopt a set of guiding principles to support New Zealand’s high performance athletes to combine their sporting and academic aspirations.

Vice-Chancellor Steve Maharey says the University has placed huge emphasis on creating a supportive environment for student-athletes both on and off campus.

“We believe Massey is the number one choice for athletes who want to successfully combine their sports careers with their study. Massey allows athletes to study and sit exams wherever they may be in the world, and with the flexibility they need,” he says.

“On campus, our Academy of Sport gives young student-athletes the support they need to achieve in their chosen sport and academically, and our campuses are home to high-quality facilities.”

The University employs a high performance co-ordinator who is dedicated to supporting student-athletes with all of their sporting and academic requirements.

This year, Massey is the largest tertiary provider for 119 of the Prime Ministers’ Athlete Scholarship recipients. At last year’s Commonwealth Games, 41 members of the team were Massey student-athletes, with 31 winning at least one medal. Eight of the 10 medallists at the 2010 World Rowing Champs were Massey students.

Massey University – Number one for high performance athletes

Massey has a long history of providing the support elite athletes require for studying while competing on the world stage.

The University is the chosen tertiary provider for the majority of elite athletes, including scores of Olympic and Commonwealth Games medallists and others who are making a mark internationally.

Massey’s Academy of Sport provides student-athletes with key sport science services to assist in athletic development, physical conditioning, sports nutrition and sports psychology, all provided by NZAS accredited providers.

<http://www.massey.ac.nz/massey/student-life/sport/academy-sport/>

Massey wins Vex world champs

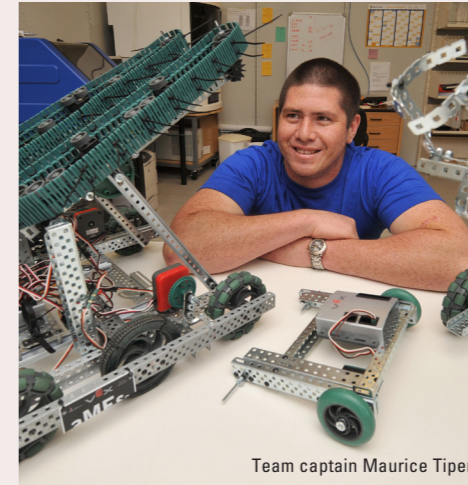
A Massey team won the university section of the Vex Robotics World Championships in Orlando, Florida in April.

Vex Robotics involves teams designing, building and maintaining robots that compete in a game called Round Up in which the robots stack rings on goal posts. Points are awarded for “owning” a goal while bonus points are given if the robot can also hang off a central ladder.

The event drew more than 10,000 intermediate school, high school and university participants representing 16 countries.

Massey’s team, Kiwibots, was unbeaten throughout the competition and was also awarded the supreme award of excellence, given to the team with the most well-rounded robotics programme.

A number of New Zealand high school teams also competed at the event. Free Range Robotics won its division but was beaten in the quarter-finals, while Lynfield College lost in the division final.



Team captain Maurice Tipene



Greer Osborne with her merino design.

Grand designs for golden fleece

Designs using gold bonded onto merino wool were showcased by fashion design students in February at an event to launch the Year of Chemistry.

Five students from the College of Creative Arts, who graduated this year, have collaborated with chemists from Victoria University to show how a formula to transform the golden fleece into a range of natural colours can be applied to upcoming fashion designs.

Tiffany Kong, Kelly Olatunji, Greer Osborne, Katrina Woodhouse and Kerry Wong were selected from entrants to a competition held last year to find the best possible designs using the textile. It has been devised from repeated testing showing that nanoparticles of gold and silver can be applied to the wool with an ultra strong bond. It makes the textiles totally colour fast and ensures they do not fade in light or with repeated washing.

“By blurring the lines between the clothing and jewellery, consumers will now be able to wear gold in a way like never before,” Ms Kong says. “It won’t just be a designer label that is important in the future of high fashion, it will be the amount of metal in your garment.”

The wool’s inventors, Professor Jim Johnston, Dr Fern Kelly, Dr Kerstin Burridge and Dr Aaron Small from Victoria University, are partnering with Wools of New Zealand to develop the technology and working with New Zealand Trade and Enterprise in London and Milan to gain entry into the high fashion knitted apparel market.

Welcome to the winter edition of *Communicator*. I’m Sarah Wood Director of Marketing at Massey University and I have recently taken over the management of the student liaison team.



I am excited to be working with our dedicated team of school liaison and recruitment advisers, and look forward to engaging more with schools in the coming year.

One of the initiatives that the University is really pleased to be involved with is the Vex Robotics competition - a great way for young people to develop skills that are vital for the 21st century.

Many of the school teams entered have been mentored by engineering students, who have assisted in the design and construction of the robots.

The new Bachelor of Natural Sciences Degree, available for enrolments in 2012, is a national first and takes an innovative approach to science that is found at leading international universities.

Significant changes in the funding of universities has resulted in us having to look closely at our enrolment management processes. If you, your colleagues, or parents have any questions about these changes, please feel free to contact one of our team. We want to make sure everyone is fully informed.

2011 did not get off to a good start, and our hearts go out to the people of Christchurch after the devastating earthquake.

Massey has a large proportion of students based in the area studying extramurally, along with around 400 studying on our campuses. We have been providing whatever assistance we can to those people who have been impacted. If you have been affected, please know that we are thinking of you.

I am always keen to hear from you. If you have any questions or concerns, ideas on how we can enhance our service to you, or information you would like to see in *Communicator* I can be contacted on s.j.wood@massey.ac.nz or you can touch base with your local liaison adviser via their details over the page.

Sarah Wood

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studentliaisonak@massey.ac.nz
studentliaisonpn@massey.ac.nz
studentliaisonwn@massey.ac.nz