

1861–2011 Celebrating 150 Years of Engineering Education

This year we celebrate how far we have come in the 150 years since engineering was first offered at the University of Melbourne. We have many great achievements behind us, and many more to look forward to as we work to fulfil our vision of becoming one of the world's great engineering schools.

Our Beginnings

- 1861 The University of Melbourne offers the Certificate of Engineering. Fifteen students enrol.
- 1866 William C. Kernot is the first to graduate with the Certificate of Engineering.
- 1882 William C. Kernot becomes the first Chair of Engineering.
- 1883 The Bachelor of Civil Engineering (BCE) is introduced.
- 1889 The Engineering School is created. It is the first in Australia and offers specialisations in hydraulics, mining and metallurgy, and architecture. The School's early graduates shape Melbourne as we know it today, building much basic infrastructure such as bridges, roads, dams, rail and tramways, electricity, water and sewerage networks.



The School Today

- 2011 The Melbourne School of Engineering is internationally acknowledged for excellence in engineering research and education, attracting top academics and students from around the world. The School is ranked 1st in Australia and well into the top 20 globally for engineering and technology disciplines, according to the 2011 QS World University Rankings by subject. Graduates are highly sought after by Australian and international employers, and are recognised for their strong work ethic, motivation and problem solving skills. The School has a vibrant alumni community of nearly 25,000 from over 100 countries.



Our Strengths

Research

Focused on research for the benefit of society, the School's key projects include the bionic eye, global water resource management, the hydrogen economy, nanotechnology based drug delivery, and next generation internet technologies. We are home to 13 major research centres of international standing and seven Cooperative Research Centres (CRCs) where universities, industry and government bodies work together. We are a partner in many important new multi-disciplinary organisations such as Bionic Vision Australia, the IBM Global Research and Development Lab and the Institute for a Broadband Enabled Society.

New Curriculum – Professional Master of Engineering

In 2008, the School introduced a new five-year professional program. Developed following calls from employers and professional bodies for graduates with stronger communication skills and greater cross-domain knowledge, this program educates engineers for the 21st Century. It comprises a three-year bachelor degree with an Engineering Systems Major, followed by a two-year Master of Engineering in one of 11 specialisations. With dual-accreditation, unique in Australia, through EUR-ACE and Engineers Australia (a Washington Accord signatory), our new program has been recognised as world-standard and offers a global engineering education.

The Len Stevens Scholarship Appeal: You can make a difference

Patron of the 150th Anniversary, Emeritus Professor Len Stevens, knows first-hand how gifts and donations can help promising engineers pursue their dreams. As a young man he benefitted from a scholarship enabling him to undertake engineering at The University of Melbourne. As Dean of Engineering he was instrumental in establishing the Melbourne University Engineering Foundation. Alumni and friends have an opportunity to make a huge difference to the lives of future engineers, through giving to the Len Stevens Scholarship Appeal. The School seeks your support to enable outstanding engineering students to undertake learning opportunities above and beyond the requirements of their program. Visit <http://alumni.online.unimelb.edu.au/lenstevens150Appeal>.



Celebrate

Join us for our October celebrations as part of our 150th anniversary.

Thursday 27 October

Endeavour 2011 Exhibition

Over 100 final year Engineering projects will be on display to the public showcasing the innovation and achievement of final year students in Biomedical, Mechanical, Electrical & Electronic, Computer Science & Software, and Infrastructure Engineering.

Details – 11.00am-4.00pm, Thursday 27 October, Wilson Hall, University of Melbourne

More information – www.endeavour.unimelb.edu.au/events.html

Endeavour Industry Night 2011

The Endeavour Industry Night provides an opportunity for professional representatives to enjoy the Endeavour Design Expo and interact with the project students in a formal yet festive atmosphere. With food, drinks and music, the event is a highlight of the School's calendar and provides a fantastic networking opportunity for students, industry members and university academics.

A short awards ceremony is held to recognise the best projects on display, the winners of which are chosen by both industry members and university academics.

Details – Times TBC, Thursday 27 October, Venue TBC, University of Melbourne

Registration – www.endeavour.unimelb.edu.au/events_industry.html

Friday 28 October

Engineering 150th Gala Dinner

The Gala Dinner is the 150th flagship anniversary event for the School. Set in the majestic surrounds of NGV's Great Hall, the 150th Gala Dinner is a black-tie event, celebrating the achievements of the School's community of alumni, staff and students. Our guest speaker is David Williamson AO, one of Australia's best-known playwrights, and a former student of the School. This is a fantastic opportunity to meet up with your classmates, create a reunion table or organise a corporate table.

Please note that capacity is limited. We recommend that you purchase your tickets early.

Details – 6.30pm, Friday 28 October, Great Hall, National Gallery of Victoria

RSVP – bookings are essential via <http://alumni.online.unimelb.edu.au/150thgaladinner>, or eng-150@unimelb.edu.au

Snapshot – Then and Now

Then	Now
<ul style="list-style-type: none">In 1861 the fledgling school took in its first 15 students.	<ul style="list-style-type: none">Teaching over 4800 students, the School has 300 academic staff, 5 departments, a research income of \$50m and over 25, 000 alumni.
<ul style="list-style-type: none">Professor Len Stevens (BCE 1950; MEngSc 1953) appears as an expert witness at the Royal Commission into the failure of West Gate Bridge in 1970.	<ul style="list-style-type: none">World class expertise in structural engineering drives leading research into earthquake and blast resistance.
<ul style="list-style-type: none">In 1974, Professor David Boger presents his paper on a new class of Non-Newtonian fluids (Boger Fluids), in the field of chemical engineering.	<ul style="list-style-type: none">New membranes separating carbon dioxide from waste gases developed, as ground-breaking research into Carbon Capture and Storage continues.
<ul style="list-style-type: none">The first successful implant of the Cochlear Ear is performed in 1978 after key research contribution from the School of Engineering.	<ul style="list-style-type: none">A team involving researchers from the Melbourne School of Engineering works to pioneer the world's first Bionic Eye.
<ul style="list-style-type: none">The first permanent internet connection in Australia is launched in 1989, linking the University of Melbourne to the US.	<ul style="list-style-type: none">As web traffic increases, MSE researchers develop a 'Green Internet' to decrease energy consumption and allow for future network growth.
<ul style="list-style-type: none">In 1938 the Engineering Students Club produces the inaugural Cranks and Nuts magazine featuring final year students in a 'rogues gallery'.	<ul style="list-style-type: none">Students participate in 11 engineering student clubs, fostering links with industry and enjoying a lively reputation on campus.