



SUNDAY 4

University of Wollongong Lymph Sleeve for Cancer Patients

10:30am Julia Fellows will give a brief overview of Lymphedema and its incidence and current treatments. She will also discuss UOW's lymph sleeve concepts and her experiences with the project and how these experiences have complemented her university students.

Speaker: Julia Fellows

Location: Diamond Room, SeaCliff

Cost: \$30pp

MONDAY 5

SITE TOUR: ANSTO Discovery Tour

2:00pm A tour of Australian Nuclear Science and Technology Organisation offers a compelling insight into the role of nuclear science, technology and engineer plays in the development of life saving-medicine, climate change research, materials engineering and national food security.

Location: Lucas Heights

Cost: FREE

LAUNCH EVENT: Harricks Address

5:30 for 6:00pm Dr. Marlene Kanga will lead a discussion on how an innovative culture can be developed and the importance of engineering and new technology in commercialising innovations for the benefit of Australia and its economy. Winners of the 2013 Art of Engineering Competition will also be announced on the evening by Engineers Media.

Speaker: Dr Marlene Kanga, National President Engineers Australia

Location: Museum of Sydney

Cost: FREE

TUESDAY 6

Women in Engineering & IT Hands on Day

8:30am As part of Australian Engineering Week, the UTS Women in Engineering & IT Program is hosting a 'Hands on Day' for High School Girls in years 8-12 on Tuesday 6 August at their City Campus, 10min from Central Station. Students will learn how to solder, code using HTML and Javascript, learn about 'Cars of the Future' and apply design skills to build structures in developing countries.

Location: University of Technology Sydney

Aurecon Bridge Building Competition

10:00am Can your school build the strongest bridge out of balsa wood, cardboard, string and glue? Would your students benefit from learning about engineering in a fun and practical way? Aurecon, an engineering, management and specialist technical services consultancy, is running a model bridge competition for year 8 and 9 school students throughout NSW and ACT. Cash prizes for winning schools and students. Numbers are strictly limited.

Location: Art Gallery of NSW

Migrant Engineers Workshop

12:00pm for 12:30pm A presentation will be conducted for overseas qualified engineers seeking employment. The objective is to provide skilled migrant engineers guidance and motivation to improve their chances of securing employment in the Australian engineering industry.

Location: Blacktown TAFE

Cost: FREE

SITE TOUR: Sydney Harbour Pylon

2:00pm Experience the history of the Sydney Harbour Bridge and view from Sydney's original lookout with this guided tour of the Pylon Museum.

Location: Sydney Harbour

Cost: \$12pp

The Next Step – Careers Talk Sponsored by Hyder Consulting

5:30pm for 6:00pm Want to make it big in the world of engineering? We have brought together some of the best in Engineering and HR to help answer some of your nagging questions about resume building, internships and interview skills.

Location: Engineers Australia, Chatswood

Cost: FREE

Engineering in the Era of the Personal Genome Sequence

6:00pm What might we see in the next period with the continuing convergence of physics, chemistry and biology and a Moore's Law not yet spent? Dr Bob Frater AO, and Vice President for Innovation with ResMed will present a lecture on the remarkable developments in technology in all fields over the past half century and potential for the future.

Location: Macquarie University

Cost: FREE

Design & Construction of a Diaphragm Wall in Brisbane

6:00pm for 6:30pm David Tevanian will give an overview on the background into the design and construction of the diaphragm wall at 111 Eagle Street in Brisbane.

Speaker: David Tevanian

Location: University of Wollongong

Cost: FREE

WEDNESDAY 7

Great Engineering Challenge

8:30am for 9:00am High School Students compete in a full day of hands on Engineering Challenges.

Location: Roundhouse, UNSW

Discover Engineering Day

9:00am This is a unique opportunity for students in Years 9, 10 or 11, who are interested in Engineering. The day includes hands on activities and guest speakers from within the Engineering profession.

Location: Wagga Wagga High School

Cost: FREE

SITE TOUR: RAAF Base Richmond

10:00am A formal presentation of RAAF Richmond engineering and maintenance activities will be conducted in the morning followed by a tour of the facilities in the afternoon. Fee includes: morning tea, lunch and transport around the base.

Location: Richmond

Cost: \$15pp

SITE TOUR: Sustainable Buildings Research Centre

4:15pm for 4:30pm The Sustainable Buildings Research Centre (SBRC) will be a multi-disciplinary facility that brings together a wide range of researchers to holistically address the challenges of making our buildings sustainable and effective places in which to live and work.

Location: Fairy Meadow

Cost: FREE

FORUM: All You Wanted To Know About Energy But Never Dared to Ask

6:00pm for 6:30pm The Forum will feature an expert panel who will take questions from the audience and debate the topic "All You Wanted To Know About Energy But Never Dared Ask" in Q&A style. Panel members will include representatives from CSIRO, ANSTO, Pacific Power and Sinclair Knight Merz.

Location: Museum of Sydney

Cost: FREE

THURSDAY 8

Engineers Breakfast Sponsored by Engineering Education Australia

7:00am Green Materials and Recycling End-of-Life Polymers in Steelmaking – An example of successful translation of research into industry. Scientific Professor Sahajwalla is an international award-winning scientist and engineer, whose achievements include inventing a process of recycling plastics and rubber tyres in steelmaking. Veena was also The Overall winner of 2012 The Australian Innovation Challenge Award.

Speaker: Scientia Professor Veena Sahajwalla

Location: Museum of Contemporary Art

Cost: \$45pp

Regional Great Engineering Challenge

9:00am High School students will compete in a full day of hands on engineering challenges.

Location: Dubbo Sport World

SITE TOUR: CSIRO Astronomy and Space Science

10:00am CSIRO operates radio telescopes near Parkes and Narrabri in NSW and is building an advanced telescope array in WA. On this tour you can see the design and construction of telescope systems and components – microwave and millimetre-wave technology, cryogenic techniques and digital systems.

Location: Marsfield, Sydney

Cost: FREE

CPEng Workshop

1:00pm Do you want to upgrade your professional status by becoming a Chartered Professional Engineer (CPEng)? Sydney Division of IEAust can help. We will be conducting a CPEng Workshop, so that in 3 hours you can accomplish the first draft stage of your application.

Location: UWS, Kingswood

Cost: FREE

SITE TOUR: St Mary's Recycling Plant

1:00pm See the new processes that have been put in place to treat final wastewater from three different plants replacing 50 million litres a day being released from Warragamba Dam.

Location: St Mary's

Cost: FREE

SITE TOUR: Pre building the new Olympic Drive Bridge

1:00pm In order to renew the Olympic Drive bridges with the minimum possible impact to the public RailCorp is in the process of precasting the bridge elements locally. This site visit will show the innovations that have been developed to allow pre construction of this large bridge structure in a very constrained space.

Location: Lidcombe

Cost: FREE

FRIDAY 9

UNSW Women in Engineering Awards, Presented by the School of Chemical Engineering and Sponsored by Aurecon

6:00pm

The UNSW Women in Engineering Awards is a new initiative designed to recognise and profile successful female engineers within the industry and encourage more female engineers in Australia.

Speaker: Professor Mary O'Kane – The NSW Chief Scientist & Engineer

Location: The Mint

Cost: FREE

SATURDAY 10

SITE TOUR: CSIRO Australian Astronomical Observatory

10:00am

The Australian Astronomical Observatory operates the Anglo-Australian Telescope and UK Schmidt Telescope in NSW, and designs and builds instruments for telescopes around the world, specialising in fibre-optic technologies.

Location: North Ryde, Sydney

Cost: FREE

YEAS/EWB Trivia Night

6:00pm for 7:00pm

Do you want to show off your deep knowledge to your friends and be the brainiest team on the night? Young Engineers Australia Sydney (YEAS) in association with Engineers Without Borders (EWB) presents you the highly popular annual EWB Trivia Night, with fancy dress theme of "Geek Chic"! Prizes will be awarded; all profits raised go to EWB.

Location: Paddington RSL

Cost: \$15pp or \$120 table of 10

SUNDAY 11

Engineering Art Talk and Walk

11:00am

Eamonn Madden from Partridge will give a short lecture on Engineering Art giving a historical perspective, review on various projects Partridge have been involved with including the award winning sculpture 'Halo' which won the Engineers Australia Sydney Division President's Award. The self-guided walk will include 4 current permanent art works around Sydney city which Partridge engineered.

Speaker: Eamonn Madden

Location: UTS, Broadway

Cost: FREE

Women in Engineering Winter Gala Dinner

6:00pm for 6:30pm

This black tie affair is a celebration of women in engineering and the closing event for the 2013 Engineers Australia Engineering Week festivities. A perfect opportunity to enjoy an elegant night out at the newly renovated Park Hyatt Hotel and a 3 course meal overlooking the night lights of Sydney Harbour.

Location: The Gallery, Park Hyatt Hotel

Cost: EA Member: \$110, Non EA Member: \$130, Table of 10: \$1200



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