



Young Professionals 250

Newsletter

Issue 6 Jan 2011

Collective inspiration

Message from the Chair

The New Year brings many opportunities for every YP to play their part in the IET strategic plan. So let us start and finish strong by the time we meet for the YP Summit at the end of the year.

Please vote for a new name for the YP250 Newsletter, since we have received only a handful of votes, it is not right to simply replace the old name. I believe there are people who are fond of the utilitarian name of the newsletter, but everything we do throughout the year are highlighted in those articles. It is memorable to have a branded publication of our own.

On behalf of the YPCT, I wish everyone a great new year ahead.

David Leong
Chair
Young Professionals Coordination Team

Council Update

Update on "Lowering Age of Membership Worldwide"

The Council Working Party (WP) has set up a wiki in which to operate, and will be splitting the task into different age group areas for investigation - 5-19, students, graduates, and 31-40 year olds. In order to balance resources, the 5-19 and graduate areas are to be focused on initially. It is believed that the Professional Home For Life (PH4L) strategic programme will be working on 31-40 and student activities anyway, so we will be keeping in close touch with PH4L to ensure the best cooperation can be achieved.

In each of the two age group areas, the WP will split into sub-teams and look at what is already on offer, what is planned in the near future, where the gaps are in the offering vs what needs to be provided, and then recommending what needs to be done to address those gaps to get the best return in terms of recruitment and retention of IET members.

We will also be keen to tie in with other elements of HQ, as well as the YP population through the

YPF and Local Network YP contacts, to get the most up to date opinions on our questions and issues.

Olly Wells, Member of Council

YPS/YMS of the Month

YPS New Zealand

IET Young Professional Networks in New Zealand are active in the Wellington, Christchurch and Auckland regions. The IET university chapters are represented by nominated YP representatives who sit on the LN committees. The LN committees have academic contacts within the universities who, amongst other roles, are responsible for mentoring the YP representatives.

Our YP volunteers are dedicated to finding effective and innovative ways to promote the IET brand amongst young professionals. In addition some exciting work has begun in our New Zealand local networks to raise the profile of engineering as a career amongst school aged students.

Many YP activities are organized in the regions throughout the year including:

- The Present Around the World Competition.
- Various field trips e.g. Navy Vessel visits in 2010.
- Student prize award ceremonies e.g. "Duck Shoot Competition". The object is for 2nd year university students to design a gamekeeper that deactivates the Desperado ducks while avoiding deactivation of Donald and Daffy. The ducks transmit their identity code using infrared signals.
- Event sponsorship e.g. IET New Zealand was a sponsor at this year's Vex Robotics competition held in Texas. The aim of the competition is "to inspire a passion for Science and Technology". One New Zealand team made it as far as the quarterfinals of the University Championship while another New Zealand team reached the final.



Photo: Duck Shoot Competition

- Rudolph Schools Initiative

In December 2009 the Christchurch Local Network initiated a trial schools' project in the area of electronics and engineering.

The Hon. Secretary/Treasurer for the Local Network together with the Young Professionals Chair initiated the idea to organise a schools project having attended the Volunteers Conference in London. They chose to base the project on the Rudolph Student Project Kit from Revolution Education. The Rudolph kit is a reindeer shaped PCB based on PICAXE micro processors. It allowed the teaching of electronic component principles, recognition and assembly, and basic computer programming skills all in a positive and fun approach.



Photo: Students working on the Rudolph Student Project Kit

Eight schools were visited over a period of 4 weeks and 149 students participated in the project along with 21 mentors. The mentors were passionate professional engineers and technicians from the industry who were invited to mentor the students.

So positive was the feedback from the students, teachers and mentors that plans are underway to continue the schools project into the coming year.

By engaging young brilliant minds with practical electronics projects, it is hoped that such initiatives will inspire them to further pursue their interests in the fields of science, engineering and technology.

YP Committee NZ

Young Woman Engineer 2010

Arlene McConnell, Systems Engineer at Selex Galileo, has been named Young Woman Engineer of the Year for 2010.

The prestigious award was presented to Arlene on 8 December during a ceremony at IET London: Savoy Place, by TV presenter and wild animal biologist Liz Bonnin.

Now in its 34th year, Young Woman Engineer of the Year celebrates the success of female engineers and seeks to address the shortage of women in the profession.

Our most recent survey of engineering and technology companies found that only 10% of engineering apprentices, 4% of engineering technicians and 5% of professional engineers currently working in industry are female.

By recognising the UK's best female engineers under the age of 30, the award aims to highlight the achievements of young women in engineering and encourage and inspire others to pursue engineering careers.

As Young Woman Engineer of the Year for 2010, Arlene received a trophy and a cheque for one thousand pounds, and in the coming year she will be an ambassador and spokesperson for the IET.

Upon receiving the award, she commented: "I'm ecstatic to win such a prestigious award and I'm thankful to be given an opportunity and a platform to help inspire other young women in engineering and shine a light on the different aspects of engineering available."

Arlene studied for an honours degree in Electrical and Electronic Engineering at the University of Glasgow, and then joined Selex Galileo's Graduate Development Framework. She is currently working on a new radar system for the Gripen fighter jet.

Also during the ceremony, the Women's Engineering Society Prize was awarded to Sarah Curtis from E.ON New Build and Technology, and the Mary George Memorial Prize for an

outstanding female engineering apprentice was awarded to Charlotte Gough from Bentley Motors Ltd.

IET President, Dr Nigel Burton, said: "These young women are leading lights in the engineering industry and their work and achievements will help encourage and inspire other women to view engineering as a suitable and worthwhile career choice. My sincere congratulations go to all the finalists; they are fantastic role models in an industry which is key to this country's continued development."

The Young Woman Engineer of the Year Award is an amazing opportunity for exceptional young women to get noticed for all the right reasons and to secure long term career success.

For more information, please visit www.theiet.org/ywe.

(Source: www.theiet.org/ywe)

- [Schools careers event](#)
- [Reaching undergraduate students](#)
- [Using Career Manager](#)
- [Present around the World competition](#)
- [Graduation day reception](#)
- [Professional registration workshop](#)
- [Continuing professional development](#)
- [Public debate on a hot topic](#)
- [Lifeskills workshops](#)
- [Professional registration - a recruitment tool](#)
- [Recognition event for new Registrants and Fellows](#)
- [Fellowship Workshop](#)

Remember if your YMS / YPS runs a good event, why don't you make it into an Event in a Box for others to use.

<http://www.theiet.org/volunteers/local/assistance/services/einab.cfm>

Resources for Local Network YPs

Events in a Box

Events in a box provide a 10 step guide for Local Networks, enabling them to hold any type of event easily as well as sharing new ideas and good examples.

There are a number of events that Local Networks can hold that have been deliberately aimed at achieving the agreed objects and purposes as outlined in the Royal Charter. These events have been gathered together in the 'Events in a Box' toolkit.



Local Network Events

There is a similar framework for all LN events, which is summarised in this Introduction to 'Events in a Box'. By following a ten-step guide, a LN can hold any type of event easily. Also, by each following a similar framework, LNs can easily share new ideas and good examples, so that a library of Events in a Box can be developed together.

Read this introduction and understand the concept first. It's about following a step by step guide that will help you put on events that are deliberately aimed at achieving your agreed outcomes on behalf of local IET members, the Institution as a corporate body, and the LN as a localised embodiment of the IET. It's a framework to make life a little easier for LNs as well as

Tips, good practice, bits of advice and checklists for putting on one particular event are always applicable. Obvious cross-references to resources or help contained in other EiaB are indicated, but good advice is spread throughout all of them. So even if you don't plan to put on a Graduation Day Reception, read it and understand the approach anyway. Pick out any resources or tips that could be applied to your next event. Each EiaB will provide resources, ideas, tips and inspiration that can be used in putting on any event.

You can choose to implement any of these first examples as part of the next programme of events from October. Or you can adapt them, tweaking the suggested approach slightly to suit your desired outcomes and circumstances. However, please share any improvements you make, so that everyone can benefit. We'll make sure your LN gets due recognition.

The Events in a Box series includes:

- [Introduction - the basic event](#)
- [Exciting the public about technology](#)

Useful IET Information Sources

IET News Bulletin

An IET news bulletin is filmed every month and is hosted by Alice Delahunty. The bulletin lasts around 4 minutes in length and highlights IET activities over the past month. The news bulletin can be found on IET TV <http://tv.theiet.org/>

IET News - January 2011

Alice Delahunty presents the latest IET News bulletin



Jan 2011 - IET News on IET TV

The IET on Twitter



You can find the IET by searching for "theiet" or follow: <http://twitter.com/TheIET>

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The IET on YouTube



You can visit the The IET Youtube Channel: <http://www.youtube.com/user/theiet>

IET Mobile App for Apple Devices



Search for "The IET" on the App Store

Discussion Forum in Focus

YP Summit 2012 Discussion

This is a discussion surrounding the potential changes in the way the summit and conference are run. Please make every effort to participate in this discussion.

<http://www.theiet.org/forums/forum/messageview.cfm?catid=171&threadid=37984&enterthread=y>

Major Events

Date	Event Title
17/02/2011	The IET Annual Dinner 2011- Grosvenor House Hotel, London, UK

Contact Us

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Editorial

Hello All,

I hope that everyone had a very good New Year. The 2011 Newsletter publication schedule is as follows:

Issue	Submission Deadline	Publication Date
2011-7	12 th Feb 2011	1 st Mar 2011
2011-8	16 th Apr 2011	1 st May 2011
2011-9	11 th Jun 2011	1 st Jul 2011
2011-10	13 th Aug 2011	1 st Sep 2011
2011-11	15 th Oct 2011	1 st Nov 2011

Thank you to all the contributors for writing to us. Don't forget to pass this newsletter on to your YMS and Local Network Committee. As always we invite anyone to submit a relevant article for inclusion in future newsletters.

All the Best,

Jon Ratcliff MSc BEng(Hons) MIET
Newsletter Editor

Young Professionals 250 Newsletter is a bi-monthly newsletter for internal circulation to members of the IET Young Professionals 250. The IET is not as a body responsible for the opinions expressed in Young Professionals 250 Newsletter.