



IEEE Newsletter

Quarter 3, 2002

IEEE Queensland Section

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From the Editor

Welcome to the Quarter 3 IEEE Queensland Section Newsletter for 2002. Like the Quarter 1/2, this newsletter contains announcements of many of the upcoming IEEE QLD events, making it a useful resource for those of you wanting to take a more active interest in the IEEE. I hope you find it informative and useful.

As always, if you have any comments on the content of the newsletter or suggestions for improvements, please feel free to drop me a line via e-mail at M.Cowling@mailbox.gu.edu.au.

Michael Cowling
Newsletter Editor, IEEE Queensland Section

IEEE QUEENSLAND SECTION E-MAIL LIST

Future IEEE Queensland Section Events will be broadcast via e-mail. Notification of the publication of this newsletter will also be done over e-mail.

All IEEE Members who have notified the IEEE of their e-mail address will be automatically added to the e-mail list. Other members may subscribe by sending e-mail to majordomo@ieee.org with the body of their message containing **subscribe qld-section**.

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IEEE QUEENSLAND SECTION Chair's Report

Welcome to the second section newsletter for 2002. As was reported in the last chair's report we are currently revising election procedures and we expect to be able to make an announcement regarding these new procedures in the next newsletter. So far this year we have had a couple of distinguished speakers visit us. We had Prof. Tenti visit in February when he gave a day long presentation on electromagnetic compatibility in industrial equipment. This seminar was very well attended. In June we had a joint presentation by Dr Stephane Carlier and Prof. Tom Marwick on some new and exciting developments in the field of signal processing applied to cardiology.

On August 28 at the Hawken Auditorium there will be a joint IE Aust/IEEE power systems seminar. Details of this will be announced shortly and will appear on the power chapter website http://www.eese.bee.qut.edu.au/people/palmer/ieee_pes/index.html

We are still seeking someone to take over the role of Professional Activities chair. If anyone is interested please contact either myself or another member of the committee. We are also looking at creating another couple of positions with respect to a couple of new programs the committee is seeking to get going. Details of these programs will be released in the next newsletter, although generally they will be directed at stemming the loss of newly graduated student members and increasing the awareness of electrical engineering amongst the general community.

Ed. Palmer
Chair, IEEE Queensland Section.

From the Vice Chair

In April I attended the Region 10 annual meeting held this year in Bangkok. There was very good cooperation and it was a good experience for learning many important things. The picture below shows an image of the attendance.

In the two days intensive work, many things were presented and discussed. Two things went straight to my heart and I would like to share them with you:

In his opening address, the president of the IEEE Ian Findlay emphasized on purposefully serving the IEEE *members* in our IEEE office bearer roles. So, If you have a suggestions or wish of how we – the IEEE Queensland Section could serve better our members, then please let me know r.sitte@mailbox.gu.edu.au

Prof. Toshio Fukuda, Division 10 Director (note: this is not Region10), who is also president of the Nanotechnology Council emphasized that *new ideas must never stop*. He invited all of us to contribute with new and original ideas to the IEEE. I wish to extend this call to our members in their work contributing to our world of Engineering and Technology.

Ways to initiate new ideas? Well, this was not talked at the Region 10 meeting, but here are some worthwhile starting points: What can be improved on such and such? What annoys you? What gadget or product or product feature could help? Why is that design so “stupid”? ... and don't be surprised if ideas totally unrelated to your initial thinking train emerge. Just keep working on them.

Did you know that Region 6 (Western USA) is the largest IEEE region and Region 10 (Asia Pacific) is the second largest? You may wish to visit the Region 10 website for further details <http://www.ewh.ieee.org/reg/10/>.

About memberships:

- Would you qualify for Senior member? You might be closer than you think!
 - Do you know about the GOLD membership? GOLD stands for “graduates of the last Decade”
- you can find more about membership on <http://www.ieee.org>

Dr. Renate Sitte
Vice Chair
IEEE Queensland Section

Event Notification

Are you organising an event that is relevant to the IEEE Queensland Section? If so, e-mail the editor (M.Cowling@mailbox.gu.edu.au) and let us know! We might be able to advertise it in the newsletter for extra exposure. Appropriate events could include (but are not limited to):

- Conference Announcements
- Call for Papers
- Chapter Announcements
- Professional Seminars
- Anything else related to the IEEE!



IEEE Region 10 Meeting (Bangkok)

5 – 6 April, 2002

Grand Hyatt Erawan Bangkok, Bangkok, Thailand

IEEE Queensland Section Website

<http://www.ieee.org/queensland/>

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Designed to complement engineering and technology education as well as to facilitate lifelong-learning, these learning objects will be accessible to the public at no cost. Currently only those collections and contents without copyright restrictions will be accepted for hosting at DLNET.

Find out more on how to contribute through IEEE by contacting:

Peter Wiesner, Ed.D.,
IEEE Educational Activities,
p.wiesner@ieee.org

IEEE Power Engineering Chapter Membership

Interested in joining this chapter? If so, e-mail
John McDonald (mcdonajd@csee.uq.edu.au)
for details!

From the Chair of the Power Engineering Chapter

On the 5th of June, the Power Engineering Chapter was privileged to enjoy a visit from the IEEE Fellow Professor Kit Po Wong. Professor Wong presented an excellent seminar entitled

*"Enhancing Genetic Algorithm's performance of
determination of loadability limits and power
market equilibrium using genetic algorithms"*

In spite of the competing 2nd State of Origin match at Lang Park, the seminar was still very well attended with Professor Wong's presentation serving for many as an excellent introduction to Evolutionary programming applications in power systems analysis while also stimulating debate and questions amongst those with greater familiarity of the field.

Upcoming Events

On the 28th of August in a joint IEEE/IEAust Electrical Branch event, Dr Andrew Dicks will be giving a presentation on

"Current Status of Fuel Cells Worldwide"

A member of the Process Technology Group of the Royal Society of Chemistry and a former member of the UK Government Fuel Cell Advisory Panel, Dr Andrew Dicks was Principal Scientist with Advantica Technologies up until 2001 and is currently pursuing his research into fuel cells at the University of Queensland. As fuel cells represent perhaps one of the most promising forms of alternative electricity generation I'm sure this presentation will be both stimulating and highly relevant and look forward to seeing you there.

The details for the presentation are:

Date: 28th August 2002

Time: 6:15 pm

Venue: Hawken Auditorium,
Engineering House

Power Chapter Website

http://www.eese.bee.qut.edu.au/people/palmere/ieee_pes/index.html

John McDonald
**Chair of Power Engineering Society Chapter
Queensland Section**

Activities of the Griffith University Gold Coast Campus IEEE Student Branch

Whilst it's been a fairly quiet time for activities within the Student Chapter, we have continued to welcome new members during the past quarter. With the bustle of exams now over, we're looking forward to the beginning of next semester for a range of chapter activities. Look out for e-mail announcements of these activities as well as reports in the next newsletter!

Stuart Bain
Chair, GUGC IEEE Student Branch.

IEEE Computer Chapter Membership

Interested in joining this chapter? If so, e-mail Dr. Renate Sitte (r.sitte@mailbox.gu.edu.au) for details!

From the Chair of the Computer Chapter

Upcoming Technical Activities

Seminar/Lecture on Reconfigurable Electronic Devices. This workshop/Lecture has been rescheduled to October. Professor Dr. Ulrich Rückert is Professor for Systems and Circuit Technology at the University of Paderborn. He is Chairman of the Heinz Nixdorf Institute and Associate Dean of Electrical Engineering.

Deferred - Workshop on Evolutionary Computing. initially scheduled for towards the end of the year has to be postponed for next year. Dr. David Fogel will come under the IEEE Distinguished Lecturer Program. Dr. David Fogel is a leading international authority on Evolutionary Computing (EC). He is CEO of Natural Selection, Inc., La Jolla, CA, in USA

(www.natural-selection.com), a company that thrives by applying EC methods to the solution of industrial problems. Dr. Fogel will be presenting a workshop on Evolutionary Computing aimed at those who are not (and might never have the need for) using these techniques, but for the sake of curiosity do want to know what it is, how it works, etc, in particular people from Industry. For those of you who are acquainted or literate with EC, I am sure, there is ample opportunity to learn more.

I am currently working on another event to be held before the end of this year. Closer to the dates I will send out invitations per e-mail, and time permitting, in the next edition of this newsletter.

Please Contact the Computer Chapter Chair (r.sitte@mailbox.gu.edu.au) if you ...

- have an interesting topic that you wish to share with the IEEE Computer community by presenting a seminar or a workshop (e.g. your most recent international conference paper)
- wish to contribute to the Computer Chapter's technical activities in any other way (e.g. organizing a conference or workshop and need support)
- have any question or issue that you would like to discuss with a panel of experts

Dr. Renate Sitte
Chair of Computer Society Chapter
Queensland Section

Special Issue Alert

International Journal of Pattern Recognition and Artificial Intelligence

Special Issue – Correspondence and Registration Techniques

Website:

<http://www.eese.bee.qut.edu.au/people/bennamu/IJPRAI.html>

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Student Activities

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Awards

Position Open

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