IEEE SOUTH AFRICA Section Report March 2011

Officers: **Election Date: 17-Jan-2010** **Term End Date: 31-Dec-2011**

ExCom:
- Chairman: Jacques van Wyk
- Vice-chair: Vacant
- Past Chair: Saurabh Sinha
- Secretary: Richardt Wilkinson
- Assistant Secretary: Shaun Kaplan
- Treasurer: Jonathan Page

Appointed members:
- Awards & Recognitions: Duncan Baker
- Conference Coordinator: Gerhard Hancke
- Educational Activities: Excellent Sithole
- Membership Devt.: Chego Lloyd
- Electronic Communications Coordinator (ECC): David Kyereahene-Mensah
- Electronic Communications Coordinator (ECC) (Deputy): Jaco du Preez
- Industry Relations / Standards Association: Louwrence Erasmus
- National/Sister Society Coordinator: Willem Cronje
- Nominations & Appointment Committee Chair: Nico Beute
- Professional Activities: Marie-Louise Barry
- Student Activities Coordinator / ISBIR: Joyce Mwangama
- Student Representative: Daniel De Canha

Affinity Group Chairs:
- Women In Engineering (WIE): Chioniso Dube
- GOLD Affinity Group (Northern Region): Keoikantse Marungwana
- GOLD Affinity Group (Southern Region): Shaun Kaplan

Technical Society Chapter Chairs:
- AES-10 (Joint Chapter: Aerospace and Electronic Systems & Geoscience and Remote Sensing): Meena Lysko
- C-16 (Computer): Barry Dwolatzky
- CIS-011 (Computational Intelligence): Andries Engelbrecht
- CS-23/RA-024 (Joint Chapter: Control Systems & Robotics and Automation): Liam Candy
- E-25 (Education): Nico Beute
- ED-15/LEO-36/CAS-004 (Joint Chapter: Electron Devices, Photonics & Circuits and Systems): Monuko Du Plessis
- SP-01/COM-19 (Joint Chapter: Signal Processing & Communications): Sunil Maharaj
- SMC-028 (Systems, man & cybernetics): Alta van der Merwe
- IE-13/IA-34/PEL-35 (Joint Chapter: Industrial Electronics, Industry Applications, and Power Electronics): Richardt Wilkinson
- PE-31 (Power & Energy): Pat Naidoo
- AP-03/MTT-17/EMC-027 (Joint Chapter: Antennas and Propagation, Microwave Theory and Techniques & Electromagnetic Compatibility): Riana Geschke
- IT-12 (Information Theory): Hendrik Ferreira

Council Chapter Chairs:
- Nanotechnology Council Chapter: Suprakas Ray
- Technology Management Council Chapter: Louwrence Erasmus

Membership:
As of **28 February 2011**, the IEEE South Africa Section has a total of 766 active members (1 Honorary Member, 1 Life Fellow, 1 Fellow member, 1 Life Senior, 65 Senior Members, 2 Life Members, 529 Members, 20 Associate Members, 107 Graduate Student Members and 37 Student Members).

Meetings:

18-August-2010
A&A Senior Member Application Review Panel

19-August-2010
Eskom Solar Projects & Opportunities - SOUTH AFRICA TM14 CHAPTER

26-August-2010
Cross layer optimization for wireless mesh networks with extended transmission rights - SOUTH AFRICA SP01/COM19 CHAPTER

30-August-2010
IEEE Student Membership development meeting - SOUTH AFRICA GOLD (CAPE TOWN) AFFINITIY GROUP

03-September-2010
Postgraduate Symposium: Unisa - SOUTH AFRICA SMC28 CHAPTER

03-September-2010
Committee meeting (2010/9): Teacher In-Service Programme (TISP) Expansion - SOUTH AFRICA E25 CHAPTER

06-September-2010
IEEE Computing Programme - Accreditation Meeting - SOUTH AFRICA C16 CHAPTER

06-September-2010
Decision integration and Robot Navigation Research at Drexel University's Data Fusion Laboratory - SOUTH AFRICA IE13/IA34/PEL35 CHAPTER

07-September-2010
EPICS Site Visit - UCT - SOUTH AFRICA E25 CHAPTER

08-September-2010
Decision integration and Robot Navigation Research at Drexel University's Data Fusion Laboratory - SOUTH AFRICA CS23 CHAPTER

09-September-2010
Decision integration and Robot Navigation Research at Drexel University's Data Fusion Laboratory - SOUTH AFRICA CS23 CHAPTER

11-September-2010
WIE STAR Maths tutorial at Phateng School - SOUTH AFRICA WOMEN IN ENGINEERING AFFINITIY GROUP

13-September-2010
TISP Meeting - SOUTH AFRICA E25 CHAPTER

13-September-2010
TISP Meeting - SOUTH AFRICA GOLD (CAPE TOWN) AFFINITIY GROUP

15-September-2010
Ontology: the why and how explained - SOUTH AFRICA SMC28 CHAPTER

20-September-2010
TISP Meeting - SOUTH AFRICA E25 CHAPTER

24-September-2010
IEEE TISP - Lusaka - SOUTH AFRICA E25 CHAPTER

25-September-2010
IEEE/IET Electronic Library Consortium Meeting - Southern and Eastern Africa – SOUTH AFRICA SECTION

26-September-2010
IEEE CGAA meeting - SOUTH AFRICA SECTION

27-September-2010
SiGe ICs - presentation by prof. Freire - SOUTH AFRICA NANO42 CHAPTER

27-September-2010
Microelectronics & electronics group, Uni. of Pretoria presentation - SOUTH AFRICA NANO42 CHAPTER

07-October-2010
IEEE Day Celebration/ Membership Information session - SOUTH AFRICA GOLD (PRETORIA) AFFINITIY GROUP

07-October-2010
IEEE Day Celebration / IEEE GOLD STEP - SOUTH AFRICA GOLD (CAPE TOWN) AFFINITIY GROUP

14-October-2010
Meeting - IEEE Standards Association Activities - SOUTH AFRICA SECTION

14-October-2010
Seminar: Evaluation of ferrimagnetc material as magnetic composite for EMW absorption in wireless communications - SOUTH AFRICA SP01/COM19 CHAPTER

15-October-2010
Professional Accreditation of ICT Professionals - SOUTH AFRICA C16 CHAPTER

15-October-2010
Next Generation Mobile-Wireless Networks - SOUTH AFRICA IT12 CHAPTER

19-October-2010
Energy Challenges of the 21st Century

27-October-2010
Meeting with DiData (IEEE Standards Association) - SOUTH AFRICA SECTION

08-November-2010
University of the Witwatersrand IEEE Student Branch AGM

10-November-2010
Little Crow Conference - CSIR

17-November-2010
IEEE SMCS South African Chapter Presentation - SOUTH AFRICA SMC28 CHAPTER

17-November-2010
IEEE SMCS South African Chapter Meeting - SOUTH AFRICA SMC28 CHAPTER

22-November-2010

2010 Twenty-First Annual Symposium of the Pattern Recognition Association of South Africa (PRASA) - SOUTH AFRICA SMC28 CHAPTER

25-November-2010
Chapter planning meeting for conference in 2011 - SOUTH AFRICA AP03/MTT17/EMC27 CHAPTER

06-December-2010
TISP Meeting - SOUTH AFRICA E25 CHAPTER

06-December-2010
IEEE South Africa Section Meeting - SOUTH AFRICA SECTION

09-December-2010
Professional Accreditation of ICT Professionals - SOUTH AFRICA C16 CHAPTER

09-December-2010
IEEE South Africa Section Meeting (FinCom) - SOUTH AFRICA SECTION

13-December-2010
International Space University - Southern Hemisphere

14-December-2010
Meeting: SP/ComSoc - SOUTH AFRICA SECTION

14-December-2010
Meeting: Senior member & Africon'11 - SOUTH AFRICA SECTION

17-December-2010
EMC activities with the Stellenbosch EMC research group - SOUTH AFRICA AP03/MTT17/EMC27 CHAPTER

20-December-2010
IEEE South Africa Section Meeting with SMCS - SOUTH AFRICA SECTION

12-January-2011
TISP meeting - SOUTH AFRICA E25 CHAPTER

17-January-2011
IEEE South Africa Section Meeting – Budget and planning meeting

21-February-2011
70 Years of Radar in the Cape, from Schonland to Now

26-February-2011
TISP meeting - SOUTH AFRICA E25 CHAPTER

Activities in the near future:

11-13 April 2011
Domestic Use of Energy (DUE) Conference
Cape Peninsula University of Techology, Bellville Campus
Room Number: Auditorium
Symphony Way
Bellville
Cape Town, Western Cape
South Africa

14-15 April 2011
South African IEEE AP-MTT-EMC conference
Spier Conference Center
Stellenbosch

South Africa

17-April-2011
AESS chapter: Volunteers visit to Overberg Test Range (a suborbital rocket launch site and weapons systems testing facility)

18-April-2011
AESS chapter: Lecture by Dr Surendra Pal at University of Cape Town, supported by members of the IEEE student branch.

19-April-2011
AESS chapter: Visit Houwteq satellite integration facilities and Dr Pal present lecture at Stellenbosch University (staff and industry)

20-April-2011
AESS chapter: Dr Pal give lecture to Dept. Science and Technology, University of Pretoria, CSIR, Tshwane University of Technology and Industry

13-15 July 2011
PES chapter **IET Southern African Universities Power Engineering Conference (IET SAUPEC) 2011.**

15-17 August 2011
SMCS chapter: **Information Security for South Africa - ISSA 2011 conference**

15-17 August 2011
International Conference on Usage (ICUE) Conference
(PES supported conference)
Cape Peninsula University of Techology, Bellville Campus
Cape Town, Western Cape
South Africa

7-12 September 2011
AP/MTT/EMC chapter: Visit by Dr Pearlman. Various presentations in Cape Town, Johannesburg and Pretoria

Best practices:
- Initiated the process to establish a Student Branch at the University of Stellenbosch
- Mike Inggs was elected as Director at Large of GRSS (AdCom member)
- Extensive use of Joomla based website: www.ieee.org.za
- Chapter-by-chapter engagement and development
    Decentralized approach (empowerment of chapters, affinity groups, etc)
- Development of student branch technical chapters
- Using doodle (www.doodle.com) and IEEE volunteer tools (http://meetings.vtools.ieee.org) to administer our activities; easing the administrative load of our committee members. Use of a combination of tools, including Facebook for marketing out events.
- Ensuring IEEE activities count towards continuing professional development (CPD) credits, as required by the Engineering Council of South Africa (ECSA). See: www.ieee.org.za/cpd
- eLearning portal developed – recognized towards CPD, ECSA.

Topics to be discussed in London:
TBC

Jacques van Wyk
IEEE SOUTH AFRICA Section Chair