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Part I Conference Schedule

December 18 Afternoon, 2009

14: 00-22: 00	Registration	Sci & Tech. Building Shenzhen University 深圳大学科技楼大 堂
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December 19 Morning, 2009

08: 20 - 08: 30	Open Ceremony	Sci & Tech. Building No.3 Reporting Room 科技楼三号报告厅
08: 30 - 08: 50	Photo	
09: 00 - 09: 50	Keynote Speech 1 Speaker: Chi-yung CHUNG	
09: 50 - 10: 10	Coffee Break	
10: 10 - 11: 00	Keynote Speech 2 Speaker: Hugo de Garis	
11: 00 - 11: 30	Invited Speech 3 Speaker: Alberto Olivares High-Efficiency Low-Cost Accelerometer-Aided Gyroscope Calibration	

12: 00-13: 30	Buffet Lunch	Shenzhen University 深圳大学
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December 19 Afternoon, 2009

14: 30 - 17: 30	Oral Session 1	Sci & Tech. Building M Floor meeting room 科技楼M层会议厅1
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18: 00-19: 30	Welcome Banquet	Shenzhen University 深圳大学
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December 20 Morning,2009

09: 00 - 11: 30	Oral Session 2	Sci & Tech. Building M Floor meeting room 科技楼M层会议厅1
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12: 00-13: 00	Buffet Lunch	Shenzhen University 深圳大学
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December 20 Afternoon, 2009

Travel in Shenzhen

Part II Keynote Speeches

Keynote Speech 1 : Computational Intelligence Applications in Modern Power System Planning and Operation



Speaker: Dr. Chi-yung CHUNG

**Associate Professor and Power Group Convenor, Department of Electrical Engineering,
The Hong Kong Polytechnic University**

Abstract:

The complexity of power transmission systems has increased drastically over the past few decades due to continuing growth of power grid interconnections, advancement of new technologies and meeting various controls, economic and environmental constraint as well as widespread deregulation of the Electricity Supply Industry. Decision making in system planning and operation has become more and more complicated. In solving different optimization problems in modern power systems, in order to apply the conventional optimisation techniques, the accuracy of the system models may need to be sacrificed. Even with this, these methods may only obtain local optimal solutions or worst still unacceptable solutions due to their limitations. Recently, computational intelligence techniques have been given much attention by power system researchers. The presentation will report the latest research achievements in the applications of computational intelligence techniques in power system optimization problems; and the potential research areas in emerging power system planning and operation.

Biography:

Dr C.Y. Chung received the B.Eng. degree (with First Class Honors) and the Ph.D. degree in electrical engineering from The Hong Kong Polytechnic University (HKPolyU), Hong Kong, China, in 1995 and 1999, respectively. After his Ph.D. graduation, he worked in Powertech Labs, Inc., Surrey, BC, Canada and was responsible for the development of power system stability analysis tools. The software package “Small Signal Analysis Tool (SSAT)”, developed by him, has been widely used by many power utilities around the world.

Dr Chung then joined the Department of Electrical Engineering, HKPolyU in 2001; and is currently an Associate Professor and the Convenor of Power Group. He has set up the “Computational Intelligence Applications Research Laboratory (CIARLab)” in the department and has made significant achievements in the development of advanced algorithms for power engineering problems. He published over 20 top quality journal papers in IEEE Transactions and IEE/IET Proceedings within the last five years. Besides, he is also very active in the areas of power system stability/control, planning and operation, power markets, renewable energy and power quality. He has published over 160 journal and conference papers.

Dr Chung was the Chairman of IEEE Hong Kong Joint Chapter of PES/IAS/PELS/IES in 2007-2009 and the Honorary Secretary of IEEE Hong Kong Section in 2009. He received the 2008 IEEE Power & Energy Society (PES) Outstanding Small Chapter Award and the 2009 IEEE Industry Applications Society (IAS) Outstanding Small Chapter Award. He was the Technical Chairman of IET APSCOM2009 International Conference, and Honorary Secretary of IEEE DRPT2004 International Conference and IEEE IAS 2005 Annual Meeting.

Keynote Speech 2: Artificial Brains, CABA, Topological Quantum Computing



Speaker: Hugo de Garis

Full Professor of Computer Science and Director of the Artificial Brain Lab (ABL) in the Cognitive Science Department of the School of Information Science & Technology (SIST), Xiamen University, Xiamen

Abstract:

This 3 part talk presents the three major research interests and goals of Prof Hugo de Garis. The first is about how his ABL (Artificial Brain Lab) at Xiamen University is building China's first artificial brain, by applying an NVidia Fermi PC Supercomputer (1000 nodes) to accelerate (by a factor of about 1600 times relative to an ordinary PC) the evolution speed of neural network modules. 10000s of these modules (each with its own little function) are evolved in real time and interconnected by human "BAs" (brain architects) using multimodule operating system software, called IMSI (Inter Module Signaling Interface). CABA (Chinese Artificial Brain Administration) would be a government agency that employs 1000s of scientists and engineers to design and build artificial brains for China's home robot industry (and other applications). Home robots will be one of the world's richest industries in the 2020s.

Topological Quantum Computing (TQC) is a potential revolution in computer science. Quantum computers can compute 2^N things at a time compared to classical computers' 1 thing at a time. But today's quantum computers store a (qu)bit on tiny quantum systems that are vulnerable to local interactions that destroy the information. TQC promises to store qubits in (distributed) topological quantum fields, that the condensed matter physicists are busily hunting down right now.

Biography:

Prof. Dr. Hugo de Garis is a Full Professor of Computer Science and Director of the Artificial Brain Lab (ABL) in the Cognitive Science Department of the School of Information Science & Technology (SIST), Xiamen University, Xiamen, Fujian Province. He has a 4 year contract (2008-2011) to build China's first artificial brain, consisting of 1000s of evolved neural net modules to control the behaviors of French NAO robots. He has had two books published, "The Artilect War : Cosmists vs. Terrans : A Bitter Controversy Concerning Whether Humanity Should Build Godlike Massively Intelligent Machines", and "Multis and Monos : What the Multicultured Can Teach the Monocultured : Towards the Creation of a Global State". He is co-guest editor of a special issue of the Neurocomputing journal on the topic of "Artificial Brains", the first of its kind worldwide, and is contracted by World Scientific to write a book on "Artificial Brains : An Evolved Neural Net Module Approach" and another book on "Topological Quantum Computers : Making Quantum Computers Robust by Manipulating Quantum Bits in Topological Quantum Fields". Before living in China, he was an Associate Professor of Computer Science at Utah State University, in Utah, USA. He has lived in 7 countries (Australia, England, Holland, Belgium, Japan, America, China), and is married to a Chinese woman who is the daughter of a general who accompanied Mao Zedong on the long march.

Part III Oral Session

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Part IV Instructions for Presentations

Oral Presentation

Devices Provided by the Conference Organizer:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

Laser Sticks

Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of each Presentation (Tentatively):

Regular Oral Session: about 15 Minutes of Presentation, 5 Minutes of Q&A

Keynote Speech: 4 Minutes of Presentation, 10 Minutes of Q&A

Part V Hotel Information



<http://www.szhjd.com/>

Room Rate

Superior Duble Room at RMB 221.- net per room per night include no breakfast

高级双人间 221元/晚 不含早餐

Superior Single Room at RMB 203.- net per room per night include no breakfast

高级单人间 203元/晚 不含早餐

Ordinary Single Room at RMB 137.- net per room per night include no breakfast

普通单人间 137元/晚 不含早餐

All participants may have breakfast in the staff can in Shenzhen University. Please note that your representative cards is your entrance ticket!

会议期间，所有参会人员可以凭您的代表证在深圳大学教工食堂吃早餐。

Reservation TEL: +86- (0) 755-26565666

预订电话: +86- (0) 755-26565666

When you make your reservation on the phone, please tell the operator that you are the participation of EEEE2009/ICCS2009/ICTM2009.

预订客房时，请告知酒店接线员您是参会作者。

Address: Taoyuandong Raod, Nanshan District, Shenzhen (opposite the Nanshan District Government and nearby the Shenzhen University)

地址: 深圳市南山区桃园东路(南山区政府对面,紧邻深圳大学)

How to get to the hotel

For non-Chinese Author, please show the following picture to the taxi driver if you take taxi.

请送我到:

深圳南航富豪城酒店

Please take me to:

Shenzhen Fuhaocheng Hotel

交通路线 **The ways to reach the hotels:**

深圳火车站---深圳大学：101路，深大北门下车

深圳火车站---地铁（终点站世界之窗）---换乘70路、113路，深圳大学下车

深圳火车西站---深圳大学：36路、深圳大学下车

宝安机场---- 深圳大学：乘机场大巴-10路或K586-深圳大学下车

Bao'an Air port to Shenzhen University: Take the 10 bus of the air port, get off the bus at Shenzhen University station.



Part VI Contact Us

PEITS 2009, KESE 2009, ICTM 2009,EEEE 2009, ICCCS 2009 Organizing
Committee

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