

"IEEE PES: Mission and Objectives"

by Chen-Ching Liu

"Cyber Security of Power System Operation and Control"

by Chen-Ching Liu

THEME

Le 27 Août prochain nous aurons le plaisir d'accueillir le Professeur Chen-Ching Liu, membre actif de la « Power and Energy Society » de l'IEEE depuis plus de 25 ans, et candidat à la présidence de la PES lors des prochaines élections.

Fort de sa longue et fructueuse expérience plusieurs fois récompensée au sein de la PES aux Etats-Unis puis en Irlande, Chen-Ching nous présentera sa perception des missions de la PES pour les prochaines années.

Les domaines de l'énergie sont entrés depuis quelques années dans une phase d'évolution fondamentale, voire de révolution. Les défis à relever tant pour la planète que pour la rationalisation et l'efficacité économique de nos modèles énergétiques sont immenses : énergies renouvelables, réchauffement climatique, développement durable, systèmes électriques « intelligents », flexibilité de la charge, nouvelles technologies HVDC, constituent une partie de la très longue liste des domaines auxquels la PES peut et doit apporter sa pierre en fédérant l'expertise et l'innovation internationales.

Venez nombreux le 27 Août, le débat (en Anglais) sera enrichi par votre présence !

Organisation et Inscriptions

Organisation :

- Section France IEEE PES (Power and Energy Society)

Inscriptions :

- Gratuit
- Confirmer votre participation auprès de :
Nathalie.Lucazeau@rte-france.com

Soirée débat IEEE PES

Judi 27 Août 2009
de 19h00 à 20h30
RTE SA - Tour Initiale
1, Terrasse Bellini
Paris – La Défense

19h 00 **Accueil**

19h 05 **Marie-Pierre BONGRAIN**

Présidente du Bureau IEEE - PES
France
Chef de Département RTE

19h 10 **Chen-Ching Liu**

Professor of Power Systems
University College Dublin
National University of Ireland,
Dublin

Candidate for IEEE Power and
Energy Society President Election



20h30

Pot de l'amitié

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CONFERENCE 1 "IEEE PES, mission and objectives"

The purpose of PES is to serve our members. Through technical, standards, and chapters activities, PES has to serve as the best resource for professional growth, networking, technology innovation, sharing of experience, and leadership opportunities. PES must be a champion for our members in industry who need corporate support to be involved in PES activities. Energy is a global priority; PES needs to structure the activities to be better positioned to make a strong impact on the energy issue.

PES should take a leading role in supporting student programs to sustain our future workforce. As an international organization, PES has to do more to attract and engage members from all regions.

It is a great honor for me to be nominated for the President-Elect position. Being a long time member of PES, I have served various administrative and technical leadership roles within PES. Therefore, I am ready for the challenge. I am a believer that leadership comes with the commitment to serve. I am deeply committed to serving PES and, fortunately, I have the support from my employer and family. Through our joint effort, PES will be a stronger contributor for our members' professional accomplishments, which is the most rewarding.

CONFERENCE 2 "Cyber security of power system operation and control"

As the connectivity of power grid facilities increases with the adoption of new information and communications technologies, there is a growing concern over cyber security of the Supervisory Control and Data Acquisition (SCADA) Systems. Although the importance of cyber security for IT is well recognized, research on the integrated cyber-power systems is just emerging. This seminar will provide the background and vulnerability issues of SCADA systems. Concepts and techniques for vulnerability assessment will be discussed with simulation cases

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Chen-Ching Liu served on the PES Governing Board for 6 years (1992-97). He chaired the PES History Committee (1992-98), PES Fellow Committee (2001-02), Technical Committee on Power System Analysis, Computing and Economics (2005-06), and Outstanding Power Engineering Educator Award Committee (2008-Present). He was also active in regional activities. Chen-Ching was Chair, Vice-Chair, Secretary, and Treasurer for PES Seattle Chapter (1984-88) and Chapters Representative for Region 6 North (1992-93). He was Vice Chair of PES Summer Meeting 2000. In 2007-08, Chen-Ching played a leadership role in organizing the NSF Workshop on Future Power Engineering Workforce (co-sponsored by PES, NERC and PSERC) and developing the "PES-Careers" website that is serving many students and companies today.

Chen-Ching is currently a Professor and Deputy Principal of College of Engineering, Mathematical and Physical Sciences, University College Dublin (UCD), Ireland. During 1983-2005, he was on the faculty of University of Washington, where he also served as an Associate Dean of Engineering. He was Palmer Chair Professor at Iowa State University (2006-08). Chen-Ching received his BS and MS from National Taiwan University and Ph.D. from University of California, Berkeley. He received a Third Millennium Medal in 2000 and the PES Outstanding Power Engineering Educator Award in 2004.