REAL-SMART symposium

Recent Trends in Power Grid Monitoring:

Wide -area mode and damping estimation in AC transmission

November 28-29th 2013, at Imperial College London

Attendance is free of charge but pre-registration is required.
Please use the registration form at the link below.
http://www3.imperial.ac.uk/realsmart/news

Real-Smart Project Partners:
Aalto University, ABB, Fingrid, GE Research, Imperial College London, National Grid, Graz University of Technology, Statnett

FP7 Marie Curie Industry-Academia Pathways and Partnerships. IAPP Real-Smart consortium
PIAP-GA-2009-251304 *(2010-2014)*

REAL-SMART Symposium

The FP7 IAPP Real-Smart Consortium announces a symposium event in London

Recent Trends in Power Grid Monitoring:

Wide-area mode and damping estimation in AC transmission, November 28-29th 2013

A symposium is planned at Imperial College London to discuss the state of the art and to disseminate recent research findings and industry practice in the area of Wide Area Monitoring Systems (WAMS).

The focus is on **wide area mode and damping estimation**. The symposium brings researchers , practising engineers and international experts together to discuss these matters.

Speakers and discussions will cover the following topics:

- Long term industry needs
- Plans for future deployments of WAMS technology in the UK and Europe
- Algorithms for mode and damping estimation using WAMS data and models

Attendees are invited to present their own relevant work as a poster

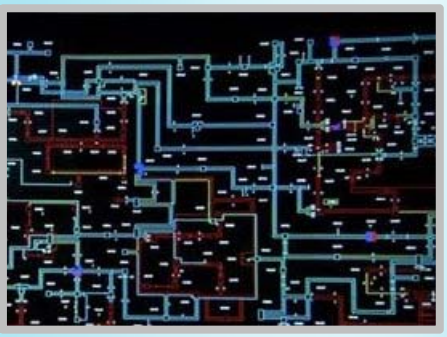
Tours:

Optional tours on November 28th include National Grid Control Centre, Wokingham, or the Energy Integration Laboratory at Imperial College London. Space on these tours is limited, so early booking is advised.

This workshop follows on from our 2010 event on Recent Trends in Power Grid Monitoring.

http://www3.imperial.ac.uk/realsmart/news

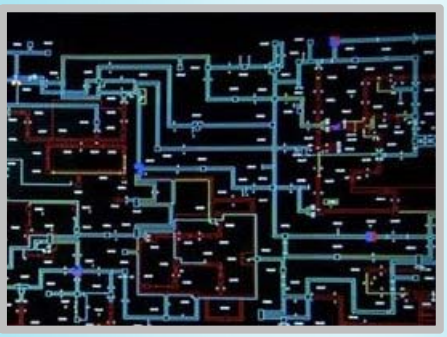




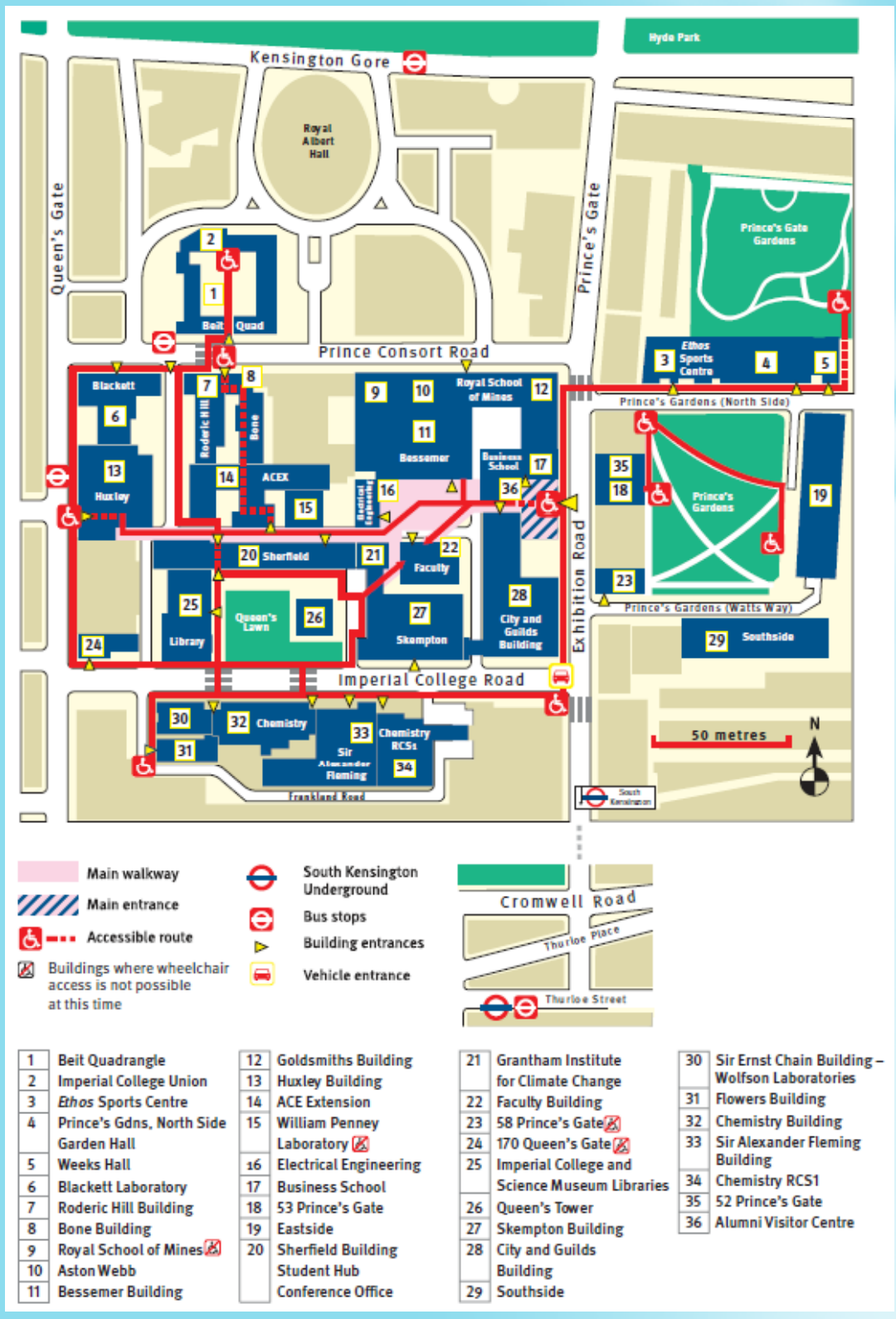
The REAL-SMART Symposium

Wide-area mode and damping estimation in AC transmission. November 28-29th 2013 Imperial College London Department of Electrical and Electronic Engineering/ Centre for Process Systems Engineering	
Thursday, 28th November 2013	
12:00-13:30	**Registration and lunch:** CPSE Common room, RODH C611, Roderic Hill Building, 6th floor, Department of Chemical Engineering, Imperial College London
14:00	**Leave Imperial for Wokingham:** Visit to National Grid Control Room (max 20 people) OR **Tour of Energy Integration lab in EE Engineering**
17:00	**Leave Wokingham for London**
19:30	**Symposium Dinner**
Friday, 29th November 2013	
9:00-9:20	**Tea and coffee** CPSE common room, RODH C611, Department of Chemical Engineering, Roderic Hill Building, 6th floor, Department of Chemical Engineering, Imperial College London
09:20-09:30	**Welcome and introduction**
09:30-10:15	PMU deployment status at National Grid: **Alex Carter, National Grid,** UK
10:15-11:00	Signal analysis methods for damping estimation: **Bikash C. Pal**, Department of Electrical and Electronic Engineering, and **Nina Thornhill**, Department of Chemical Engineering, Imperial College London.
11:00-11:30	**Coffee Break**
11:30-12:30	**Poster forum**: Short introductions by poster presenters
12:30-14:00	**Lunch and poster session**
14:00-14:45	**Luigi Vanfretti**, KTH Stockholm, Monitoring and Control of Renewable Energy Sources using Synchronized Phasor Measurements
14:45-15:30	**Adamantios Marinakis**, ABB Corporate Research, Switzerland, Data Mining Techniques
15:00-16:00	**Panel Discussion**
16:00-16:10	Vote of thanks and closure: **Bikash C Pal**, Imperial College London





Imperial College London – South Kensington Campus Map



1	Beit Quadrangle
2	Imperial College Union
3	*Ethos* Sports Centre
4	Prince's Gdns, North Side Garden Hall
5	Weeks Hall
6	Blackett Laboratory
7	Roderic Hill Building
8	Bone Building
9	Royal School of Mines
10	Aston Webb
11	Bessemer Building
12	Goldsmiths Building
13	Huxley Building
14	ACE Extension
15	William Penney Laboratory
16	Electrical Engineering
17	Business School
18	53 Prince's Gate
19	Eastside
20	Sherfield Building Student Hub Conference Office
21	Grantham Institute for Climate Change
22	Faculty Building
23	58 Prince's Gate
24	170 Queen's Gate
25	Imperial College and Science Museum Libraries
26	Queen's Tower
27	Skempton Building
28	City and Guilds Building
29	Southside
30	Sir Ernst Chain Building – Wolfson Laboratories
31	Flowers Building
32	Chemistry Building
33	Sir Alexander Fleming Building
34	Chemistry RCS1
35	52 Prince's Gate
36	Alumni Visitor Centre