

MEAN4SG + EriGrid Winter School (23rd-25th Jan) Metrology for Smart Grid Applications and HIL Testing

	Tuesday 23 rd Jan	Wednesday 24 th Jan	Thursday 25 th Jan
AM	09:00 Welcome	Lecture: Power system measurements – Do you trust them? Andrew Roscoe (UST)	Laboratory-based power-system measurement training 19222 procedure (Royal College, Room R420)
	3 min intro from each person with coffee break in between.		
	Measurement applications <ul style="list-style-type: none"> Optical measurements (Pawel/Synaptec) HV and Partial discharge (HV Lab) 	Testing and validation procedures. (To be practice in lab session) EriGrid presenter	
	12:30 Lunch	12:30 Lunch	12:30 Lunch
PM	Measurement applications in modern and hybrid power systems <ul style="list-style-type: none"> Importance of measurements for the development and testing of distributed control algorithms.(MS, EGS, PD). PMU metrology (Andrew/Steven). Power and energy metering (Renan) DC system measurements (Puran/Kenny) <p>(TIC laboratories, Lectures reinforced by lab demos)</p>	Laboratory-based power-system measurement training 19222 procedure (Royal College, Room R420)	<p>“An Introduction to Measurement Uncertainty” (Dr Ian Smith, NPL)</p> <p>“Uncertainties in Modelling” (Louise Wright, NPL)</p> <p>Exemplar project – “MyRails 16ENG04” (Paul Clarkson, NPL)</p>
Evening	Free	Free.	Meal at local restaurant. END of MEAN4SG SS2 and EriGrid course.