

FES – From Neuroscience to Clinical Practice		
9.00 – 9.05 Welcome & Opening Remarks		
Time	Part 1: 9.00-12.00	Speaker(s)
9.05-9.45 40 mins	1. <u>Interventions</u> Overview of Therapeutic & Orthotic FES Interventions Upper & Lower Limb Implants	Maura Whittaker Jane Burridge
9.45-10.20 35 mins	2. <u>Neuroscience</u> Physiological Effects & Evidence of FES on Neuroplasticity of the Brain & Spinal Cord.	Michael Grey
Coffee 10.20-10.40		
10.40-12.00 80 mins	3. <u>Paediatric Interventions</u> Biomechanics of CP Gait, FES as an Orthotic & Therapeutic Intervention; Candidate Selection for FES FES- Assisted Cycling for Strength & Fitness in Children with CP; Overview of Training Systems; Preliminary Outcomes on Motor Learning from training w/ FES	Neil Postans Samuel C.K. Lee
Part 2: 1.30-5.30		
1.30 - 2.15 45 mins	4. <u>Adult Interventions</u> Patient Evaluation, Application, Clinical Guidelines Clinical Outcomes & Efficacy	Maura Whittaker Jane Burridge
2.15-3.00 45 mins	5. <u>Strategies & Best Practices</u> Maximizing Benefits, Identifying Successful Strategies, & Promoting Best Practices in FES Clinical Service Provision – what has been learned.	Paul Taylor
3.00-3.20 : Coffee		
3.20-4.10 50 mins	6. <u>FES of Denervated Muscles</u> Physiological Effects, Overview of Diagnosis, Indications and Therapy, Specific Differences versus Neuromuscular Stimulation, Hands-on Demonstration, subject with flaccid paraplegia (lesion in cauda equina)	Helmut Kern, Claudia Straub, Michaela Moedlin, and colleagues
4.10-5.05 55 mins	7. <u>Future Challenges</u> Knowledge Dissemination & Utilization; Consensus Guidelines; Promoting Awareness in the Medical & Patient Community, Meeting the Needs of Knowledge Users. Ethical Context	Chair: M Whittaker w/ input from speakers
5.05	(8) Q & A ; Closing Remarks	Everyone
5.30	Adjourn	