

Wednesday 25 June 2014			
Getting started with OpenSees			
Morning Session			
Chair: Prof. Ashraf Ayoub - City University London			
Time	Subject	Speaker	Institution
8:45-9:00	Welcome and Opening the session	Adam Crewe	University of Bristol
9:00-9:45	Keynote lecture	Laura Lowes	University of Washington
9:45-10:30	Getting started with OpenSees and Tcl	Frank McKenna	UC Berkeley/PEER
10:30-11:00	OpenSees output and recorders	Frank McKenna	UC Berkeley/PEER
11:00-11:30	Coffee break, poster presentation and networking		
11:30-12:30	Overview of nonlinear structural analysis using fibre technique	Laura Lowes	University of Washington
12:30-1:00	Modelling in OpenSees	Frank McKenna	UC Berkeley/PEER
1:00-2:00	Lunch and poster presentation		
Afternoon Session			
Chair: Prof. Bozidar Stojadinovic - ETH Zürich			
2:00-2:30	Nonlinear Aanalysis in OpenSees	Frank McKenna	UC Berkeley/PEER
2:30-3:00	Simple Examples	Frank McKenna	UC Berkeley/PEER
3:00-3:30	OpenSees on NEEShub	Frank McKenna	UC Berkeley/PEER
3:30-4:00	Coffee break		
4:30-5:00	Modelling RC building structues including bond-slip behaviour at joints	Laura Lowes	University of Washington
4:30-5:00	A Fibre-Based Finite Element Model for RC Columns under Combined 3-Dimensional Loading	Ashraf Ayoub	City University London
5:00-5:30	Modelling the response of steel frames incorporating tubular members under extreme loading	Christian Malaga Chuquitaype	Imperial College London

Thursday 26 June 2014			
Beyond the basics			
Morning Session			
Chair: Dr Laura Lowes - University of Washington			
Time	Subject	Speaker	Institution
8:45-9:00	Opening the session	Laura Lowes	University of Washington
9:00-9:45	Keynote lecture	Bozidar Stojadinovic	ETH Zürich
9:45-10:45	Conducting Hybrid Simulations with OpenSees/OpenFresco	Andreas Schellenberg	UC Berkeley/PEER
10:45-11:15	Coffee break		
11:15-12:00	OpenSees/OpenFresco Example Applications	Andreas Schellenberg	UC Berkeley/PEER
12:00-1:00	Development of an integrated computational tool for modelling structure in fire	Liming Jiang	University of Edinburgh
1:00-2:30	Lunch and tour of earthquake and heavy structural laboratories @Bristol		
Afternoon Session			
Chair: Dr Adam Crewe - University of Bristol			
2:30-3:00	Seismic collapse resistance assessment of steel frames with viscous dampers	Theodore Karavasilis	University of Warwick
3:00-3:30	Adding your code to OpenSees	Frank McKenna	UC Berkeley/PEER
3:30-4:00	Modelling RC shear walls including localisations issues with case studies	Laura Lowes	Unievrsity of Washington
4:00-4:15	Coffee break		
4:15-4:45	Modelling RC columns including bar buckling simulation corrosion and low-cycle fatigue damage	Mehdi Kashani	University of Bristol
4:45-5:15	Seismic loss and downtime estimates of existing tall buildings and strategies for increased resilience	Carlos Molina Hutt	University College London
5:15-5:30	Closure	Adam Crewe	University of Bristol