

# Birmingham Decarbonisation Summer School 2024 Programme (17th - 21st June 2024)

Monday 17th June	Tuesday 18th June	Wednesday 19th June	Thursday 20th June	Friday 21st June		
9:00 – 10:00 Arrival Reception & Summer School Registration	9:00 – 10:40 <i>Industry Session 1 – Net Zero Solutions and Best Practices</i> Session Chair: Dr <a href="#">Dilan Jayaweera</a> , Associate Professor in Electrical Power Systems, University of Birmingham	9:00 – 12:00 Group Work with Tea Break	9:00 – 12:00 Group Work with Tea Break	9:00 – 15:00 (Latest 17:00) <i>Pitch Presentation Session</i>		
10:00 - 10:20 Summer School Opening Remarks and Welcome Speech Prof. <a href="#">Karl Dearn</a> , Head of School of Engineering, University of Birmingham Prof. <a href="#">Xiao-Ping Zhang</a> , Summer School Chair	9:00-9:50 Power System Net-Zero Solution & Best Practice Dr <a href="#">Ibukunolu Oladunjoye</a> , <a href="#">Innovation Engineer</a> , National Grid Electricity Transmission			9:00 – 12:00 Group Pitch Presentation (Maximum 30 min/group) with Tea Break		
10:20 - 10:45 Introduction to the summer school programme Dr <a href="#">Nan Chen</a> , Summer School Co-Chair and Coordinator Dr <a href="#">Fei Xie</a> , Summer School Collaborator	9:50-10:40 Role of HVDC, HVAC and FACTS in facilitating Energy Transition towards Net-Zero in UK Mr <a href="#">Carl Barker</a> , <a href="#">Consulting Engineer</a> , <a href="#">GE Vernova</a>			Judges: Dr <a href="#">Sharon Henson</a> , C-DICE Project Manager, Loughborough University; Mr <a href="#">Thomas Björk</a> , Chief Technology Officer, <a href="#">Grid System Integration</a> , <a href="#">GE Vernova</a> ; Dr <a href="#">Dechao Kong</a> , CEng, FIET, CIGRE UK B4 Regular Member; Dr <a href="#">Bless Kuri</a> , CIGRE UK C1 Regular Member, Head of System Planning and Investment, SSEN, Summer School Lead Industry Partner; Prof. <a href="#">Ray Zhang</a> , Chair of CIGRE UK Technical Committee, Professor, University of Birmingham, Associate Director (Energy), ARUP; and other BDSS speakers and sponsors.		
10:45 – 11:00 Building Safety Induction Mr <a href="#">Andy Dunn</a> , Technical Manager, School of Engineering	Tea Break					
11:00-13:00 <i>Introduction Session: Towards Net-Zero</i> Session Chair: Prof. <a href="#">Xiao-Ping Zhang</a> , Chair in Electrical Power Systems, Director of Smart Grid, Birmingham Energy Institute, Co-Director, Birmingham Energy Storage Centre	10:50 – 12:30 <i>Industry Session 2 – Net Zero Solutions and Best Practices</i> Session Chair: Dr <a href="#">Jianing Li</a> , Associate Consultant (Manchester Team Lead) at WSP, CIGRE UK NGN Chair					
11:00-12:00 Integrating the Energy System: Aligning Technologies, Infrastructure, and Policy for Net Zero Dr <a href="#">Inès Tunga</a> , Practice Manager- Renewables, <a href="#">Energy Systems CATAPULT</a>	10:50-11:40 Net-Zero Energy Transition Projects by ARUP Mr <a href="#">Joe Sumners</a> , Arup Director and Energy & Water Group Leader					
12:00-13:00 Zero carbon operation in GB system Prof. <a href="#">Xiaoyao Zhou</a> , Operability Policy Manager, National Grid ESO, Honorary Professor, University of Birmingham.	11:40-12:30 Net -Zero Solution & Best Practice TBD					
	12:30-13:15 Early Career Forum Session: Session Chair: Dr <a href="#">Nan Chen</a> Panel Discussion – Working opportunities in Net-Zero Industry: Challenges and Preparations Panellists: Mr <a href="#">Tinashe Chikohora</a> , <a href="#">Innovation Engineer</a> , <a href="#">National Grid Electricity Transmission</a> , Ms <a href="#">Yinru Chen</a> , Senior HVDC Engineer, Mott MacDonald, PhD Student, the University of Birmingham, and above speakers.					
13:00-14:00 Lunch	13:15-14:00 Lunch			Lunch	Lunch	Lunch
14:00 - 16:10 <i>CIGRE UK Session</i> Session Chair: Prof. <a href="#">Ray Zhang</a> , Chair of CIGRE UK Technical Committee, Professor, University of Birmingham, Associate Director (Energy), ARUP	14:00-16:00 <i>Net-Zero Research and Team Science Session</i> Session Chair: Dr <a href="#">Weiqi Hua</a> , Assistant Professor in Energy Systems, University of Birmingham			13:00-17:00 <i>Site Visit</i>	13:00 – 17:00 Group Work with Tea Break	13:00 – 16:00 Group Pitch Presentation
14:10 - 15:10 Power System Development and Economics & Summer School Challenge Dr <a href="#">Bless Kuri</a> , CIGRE UK C1 Regular Member, Head of System Planning and Investment, SSEN, Summer School Lead Industry Partner	14:00-15:00 Hydrogen Integration for Accelerated Energy Transitions Prof. <a href="#">Sarah Walker</a> , Professor of Energy and Co-Director of the Birmingham Energy Institute, University of Birmingham	13:00-14:00 Heading to Tyseley Energy Park 14:00-14:30 Introduction A 14:30-15:00 Introduction B 15:00-16:00 Site Visit 16:00-16:30 Q&A 16:30-17:00 Way Back University	Tea Break			
15:10 - 16:10 Electricity Transmission System Assets in a Net Zero future Dr <a href="#">Mark Osborne</a> , CIGRE UK B3 Regular Member, Lead Asset Lifecycle Engineer, National Grid Electricity Transmission	15:00-16:00 Team Science Prof. <a href="#">Theodoros Arvanitis</a> , Chair in Digital Health Technology and Head of the Department of EESE, University of Birmingham					
Tea Break	Tea Break					
16:20-18:00 <i>IEEE PES UK&amp;I Session</i> Session Chair: Dr <a href="#">Daniel Donaldson</a> , Industry Liaison Officer, IEEE PES UK&I Chapter, Assistant Professor, Department of Electronic, Electrical and Systems Engineering, University of Birmingham	16:10-18:00 <i>EDI and Soft Skills Session</i> Session Chair: Dr <a href="#">Zhongbei Tian</a> , Assistant Professor in Transport Energy Systems, University of Birmingham		16:00-16:40 Judges' Panel Discussion & Award Presentation			
16:30-17:30 Power Efficiency & Cutting-Edge Technologies in Hyperscale Data Centres - A Power Management Perspective Using Ignition SCADA System Mr <a href="#">Eduardo Audicbe</a> , Chair, IEEE PES UK&I Chapter, PES R8 Representative & GB member, Automation Director, E-TEC Power Management Ltd.	16:10-17:00 Why you should embed EDI and inclusive practices in your research and how to go about it Dr <a href="#">Lennie Foster</a> , ERA and C-DICE Skills Manager at Loughborough University.					
17:30-18:00 Energy Quality Prof. <a href="#">Xiao-Ping Zhang</a> , Counsellor, IEEE University of Birmingham Student Branch, Chair in Electrical Power Systems, Director of Smart Grid, Birmingham Energy Institute, Co-Director, Birmingham Energy Storage Centre	17:00-18:00 How to Present a Pitch Ms <a href="#">Nicola Gittins</a> , Deputy Director, Student Entrepreneurship and Enterprise at University of Birmingham		16:40-17:00 Event Closure Remarks & Group Photos			
18:00-20:00 <i>Social Event</i> Welcome Reception & Catering	18:00-19:30 <i>Social Event</i> Social Networking Dinner					