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#	Activity (Workshop/Event/Course/Conference/Training)	Duration	Provider/Organizer/Location	Date / Period	Details	Major Outcome / Award
1	SPIRE 2 Closing Workshop and Event	3 hours	SPIRE 2 Project, Ulster University, York Street Campus, Belfast	28/09/2022	Presented some research findings on the "Domestic Battery Energy Storage Systems Technical and Economic Feasibility"	
2	Safer Together Workshop 2	4 hours	NIE Networks, Crowne Plaza, Belfast	14/09/2022	A workshop aimed to highlight the importance of safety and provide effective safety rules and how to record incidents. It aimed also to progress the development of a more positive culture, together with the ongoing management of the risks to Safety, Health & Wellbeing	
3	Business Writing	1 day	NIE Networks, Dunsilly Hotel, Antrim	06/09/2022	A business writing course to learn the principles of business writing, and skills of technical writing.	
4	Understand the Requirements of IET 18th Edition Wiring Regulations BS 7671:2018	4 days	The City and Guilds of London Institute / Northern Regional College, Newtownabbey	10/03/2022 - 08/04/2022	The aim of this course is to provide a great understanding of the Wiring Regulations, which must be followed when carrying out any domestic or commercial electrical installation work which need to be designed in line with the 18th Edition wiring regulations	Level 3 Award in Requirements for Electrical Installations BS7671: 2018
5	Safer Together Workshop 1	3 hours	NIE Networks, The Mount Business Centre, Belfast	01/04/2022	A workshop aimed to highlight the importance of safety and provide effective safety rules and how to record incidents. It aimed also to progress the development of a more positive culture, together with the ongoing management of the risks to Safety, Health & Wellbeing	
6	Competent Persons Substations	2 days	NIE Networks Sites	16-02-2022 & 21-02-2022	An interactive training course on the necessary knowledge for personnel to work safely in a substation or overhead line environment based on the Safety Rules and Instructions. Site visits have been done as part of this course to three substations 110kV/33kV, 33kV/11kV, and 33kV/6.6kV	Competent Person (CP) Authorization
7	ETP 10th Annual Conference 2021	2 day	ETP Scotland, Virtual	08/12/2021 - 09/12/2021	Attended different sessions on Power and Energy and presented some research findings on the "Impact of Residential Batteries on Low Voltage Networks with PV and EV"	Best Presentation in Session C1: Energy Conversion & Storage, at the ETP Annual Conference 2021.
8	IEEE ISGT Europe Conference 2021	4 days	Aalto University, Finland - Virtual	18/10/2021 - 21/10/2021	Attended different sessions on Power and Energy and presented a research paper on "Centralized/Decentralized Power Management Strategy for the Distribution Networks based on OPF and Multi-Agent Systems"	IEEE Publication
9	CIRED Conference	4 days	IET, Virtual	20/09/2021 - 23/09/2021	Attended different sessions on Power and Energy and presented a research paper on "Understanding the impact of high penetration residential batteries with low carbon technologies on the low voltage networks"	IET Publication
10	IEEE PES General Meeting 2021	4 days	IEEE, US, Virtual	26/07/2021 - 29/07/2021	Attended different sessions on Power and Energy and presented a research paper on "Domestic Battery Power Management Strategies to Maximize the Profitability and Support the Network" and a poster "The Impact of Different Control Strategies on Residential Battery Degradation"	First Prize Award in the Graduate Student Poster Contest at the 2021 IEEE PES GM + IEEE Publication
11	Advanced Modelling of DER-Rich Active Distribution Network Course	5 days	The University of Melbourne, Virtual	19/07/2021 - 23/07/2021	Attended a 5-day PhD-level course that covered fundamental and advanced modeling of active distribution networks with deep penetration of distributed energy resources (DER)	
12	IEEE PowerTech Conference 2021	5 days	IEEE, Spain, Virtual	28/06/2021 - 02/07/2021	Attended different sessions on Power and Energy and presented a research paper on "Residential Battery Energy Storage Sizing and Profitability in the Presence of PV and EV"	IEEE Publication
13	IET Renewable Power Generation (RPG) conference 2021	2 days	IET, Dublin, Virtual	01/03/2021 - 02/03/2021	Attended different sessions on Power and Energy and presented two research papers on "Real-time model predictive control of battery energy storage active and reactive power to support the distribution network operation" and "Maximizing the profits of battery energy storage systems in the integrated single electricity market"	IET Publication
14	SPIRE 2 Conference	1 day	SPIRE 2 Project / Virtual	24/02/2021	Presented some research findings on the "Integration of Battery Energy Storage Systems in Northern Ireland"	
15	Researcher Communication Training	1 day	SPIRE 2 Project & Skillfluence, Virtual	13/11/2020	A communication training focused on business model canvas (BMC) and how to explore strategies for communicating your research at multiple levels and sharing complex ideas in a way that is relevant and business-focused	
16	Empirical Research Methods	3 hours	Queen's University Belfast	23/10/2020	Training course on Empirical Methods for Research	
17	Innovation and Industry Engagement Training	1 day	SPIRE 2 Project & Skillfluence, Virtual	09/10/2020	A training to learn tools, skills, and mindset for creating commercial value from your research	
18	Seminar, Presentation and Communication Skills Level 1 Course	9 weeks	Queen's University Belfast (QUB) INTO	14/10/2020 - 16/12/2020	English language course on Seminar, Presentation and Communication Skills	
19	Seminar, Presentation and Communication Skills Level 2 Course	9 weeks	Queen's University Belfast (QUB) INTO	15/10/2020 - 17/12/2020	English language course on Seminar, Presentation and Communication Skills	
20	ETP 9th Annual Conference 2020	2 days	ETP Scotland, Virtual	02/11/2020 - 03/11/2020	Attended different sessions on Power and Energy and presented some research findings on "Energy arbitrage with PV Generation and EV Charging"	
21	IEEE ISGT Europe Conference 2020	3 days	IEEE, Delft, Virtual	26/10/2020 - 28/10/2020	Attended different sessions on Power and Energy and presented a paper on "Battery energy storage systems allocation considering distribution network congestion"	IEEE Publication
22	IEEE Energycon 2020	3 days	IEEE, Tunisia, Virtual	28/09/2020 - 01/10/2020	Attended different sessions on Power and Energy research outcomes	
23	Future Ready Programme	8 weeks	Queen's University Belfast	29/09/2020 - 24/11/2020	A programme aimed to support building personal profile and help in career development through several sessions on communication, presentation and interview skills besides CV and cover letter workshops	Research Plus Degree from Queen's University Belfast
24	IEEE Region 8 SYP congress	13 days	IEEE, Virtual	14/09/2020 - 26/09/2020	The IEEE R8 Student and Young Professional Congress is the largest event in all Region 8. It occurs every two years and gathers both students and young professionals members from all Sections in this Region. SYP's main goal is to enhance and foster the engineering sense and capabilities through different activities both technically and culturally. It also provides an opportunity to network.	
25	FLEXCON2020 event	6 days	smartEn/ Virtual	23/09/2020 - 28/10/2020	Attended several sessions and talks on smart grids, blockchain, energy markets, demand response, transactive energy, and smart homes	
26	Smart Grid Ireland Webinar	2.5 hours	Smart Grid Ireland, Virtual	24/09/2020	Attended a webinar on the digital transformation in the electrical grid of Ireland and the digitalized energy systems in the future	
27	Finishing PhD in a pandemic?	1 hour	Queen's University Belfast	18/09/2020	A session that aimed to provide guidance and support to PhD students during COVID pandemic	
28	Innovation After Hours with David Meade	1 hour	Queen's University Belfast, Virtual	04/06/2020	Session on the innovative tools and techniques to improve the performance in the digital landscape	

29	Engineering the Energy Transition Conference	2 days	The Bryden Centre, Titanic Hotel, Belfast	27/02/2020 - 28/02/2020	Attended several sessions and talks on the latest technical and policy developments on the path to energy transition	
30	Annual Sir Bernard Crossland Lecture and Event	1 day	Riddle Hall, Queen's University Belfast	18/02/2020	Attended and presented a research poster	
31	Project Management in the Real World	2 days	Graduate School, Queen's University Belfast	11/02/2020 - 12/02/2020	Training on project management methodologies, processes and documentation.	
32	How to Get a PhD	3 hours	Ashby Building, Queen's University Belfast	04/12/2019	A session on methods and advises on how to finish the PhD	
33	Official Publication Session	1 hour	The McClay Library, Queen's University Belfast	27/11/2019	A session on the print and online resources which aid in searching and locating government materials emanating from UK central and regional governments and other international official organizations.	
34	Research Methodology - Part Two	2 hours	The McClay Library, Queen's University Belfast	19/11/2019	A course on the tools and techniques required for carrying out a comprehensive literature review and introduces relevant research databases and advanced search techniques. It also provided a good understanding of referencing, citations and bibliographies.	
35	Research Methodology - Part One	2 hours	The McClay Library, Queen's University Belfast	26/11/2019	A course on the tools and techniques required for carrying out a comprehensive literature review and introduces relevant research databases and advanced search techniques. It also provided a good understanding of referencing, citations and bibliographies.	
36	Impact Design Jam Programme	3 days	Graduate School, Queen's University Belfast	31/10/2019 - 14/11/2019	A three-day intensive design challenge where we had to design proposals for a social-enterprise-based scheme to encourage and equip Belfast's students and staff to get on their bikes and lead Belfast towards becoming a cycling city.	Research Plus Degree from Queen's University Belfast
37	Demonstrator Training - Supporting Teaching and Learning	2 hours	Computer Science Building, Queen's University Belfast	22/10/2019	A training course on general common sense things like good practice and how to approach certain scenarios which could come up while demonstrating.	
38	PMU Technology Workshop	3 hours	Ashby Building, Queen's University Belfast	11/10/2019	A workshop on Phasor measurement unit (PMU) Technology and its applications	
39	Developing language skills	1 hour	The Guidance Centre, Queen's University Belfast	07/10/2019	A session on how to improve the language skills	
40	IEEE ISGT Europe Conference 2019	3 days	IEEE, Bucharest-Romania	30/09/2019- 03/10/2019	Attended different sessions on Power and Energy and presented a research paper on "The Deployment of Low Carbon Technologies in Modern Distribution Networks"	IEEE Publication
41	Innovating Research in Academia - necessity and challenge	1 hour	Graduate School, Queen's University Belfast	06/06/2019	A keynote speech	
42	How can small-scale, consumer-owned, flexible resources engage with wholesale electricity and ancillary services markets?	3.5 hours	SPIRE 2 Project, Ulster University, Jordanstown Campus, Newtownabbey	05/06/2019	A workshop on how mass energy storage technologies (and other-forms of consumer-side flexibility) could potentially interact with wholesale and ancillary services markets, as well as delivering services to future DSO-led markets.	
43	How to get Published with IEEE & researching with Xplore	1.5 hours	IEEE / Ashby Building, Queen's University Belfast	29/05/2019	Training course on IEEE publications	
44	SPIRE 2 Networking Day	1 day	SPIRE 2 Project, Ulster University, Jordanstown Campus, Newtownabbey	30/04/2019	Presented and shared my PhD research plan with my sponsor and other fellows	
45	PhD Poster Event	1 day	The Great Hall, Queen's University Belfast	12/04/2019	Presented a research poster on my PhD plan	
46	Bibliometrics and altmetric: An introduction	1 hour	The McClay Library, Queen's University Belfast	11/04/2019	Course on the bibliometric indicators and how they are used. The session covered how published research outputs are measured at the article, author, and journal levels.	
47	NEPLAN AG Training Trip	1 day	NEPLAN AG, Künsnacht, Switzerland	26/03/2019	A training on NEPLAN power system analysis software	
48	Inclusive Working Workshop	2.5 hours	Ashby Building, Queen's University Belfast	20/03/2019	An interactive and thought-provoking workshop that focused on the topic of unconscious bias and how bias can influence our decision-making. In particular, it addressed how these biases play out within our own workplace and impact our culture and consequently affecting our diversity and sense of inclusion. It concluded with a useful discussion and the development of practical action that promotes inclusive working.	
49	Maximizing your Research Profile: Insights, Tools and Possibilities	1.5 hours	The McClay Library, Queen's University Belfast	12/03/2019	A workshop to develop the research profile	
50	7 Secrets of Highly Successful Research Students	3 hours	Ashby Building, Queen's University Belfast	01/03/2019	The workshop aimed to help in increasing the productivity, effectiveness and outcomes	
51	Promoting yourself and your research	3 hours	Graduate School, Queen's University Belfast	28/02/2019	A workshop on promoting yourself and your research	
52	Turbocharge your Writing	3 hours	Canada Room, Queen's University Belfast	27/02/2019	A workshop on tips and tricks to speed up with writing	
53	Tell Your Research Story: The Three Minute Thesis Competition *Time change	3 hours	Queen's University Belfast	22/02/2019	A workshop on how to create a three minute pitch for an research work	
54	Responsible and Ethical Practice in Research and its Publication	2.5 hours	Computer Science Building, Queen's University Belfast	12/02/2019	A session in the ethical practice in research and publication	
55	Making a Difference: Soft Skills for Academic Researchers	5 hours	Computer Science Building, Queen's University Belfast	08/02/2019	Soft skills course	
56	Academic Writing Skills	3 hours	Graduate School, Queen's University Belfast	24/01/2019	This course aimed to help in improving the academic writing skills	
57	IEEE MELECON Conference 2018	5 days	IEEE, Marrakech - Morocco	02/05/2018 - 07/05/2018	Attended different sessions on Power and Energy and presented a research paper on "A multi-objective distributed generation allocation and sizing using swarm intelligence based algorithms"	First Prize Award in IEEE Region 8 Student Paper Contest 2018 + IEEE Publication
58	Electrical distribution systems course	8 weeks	Jeilecom, Egypt	01/01/2018 - 01/03/2018	Technical course on the electrical distribution systems design	
59	IEEE ICSG Conference 2017	2 days	IEEE, Istanbul - Turkey	25/04/2017 - 26/04/2017	Attended different sessions on Power and Energy and presented a research paper on "Power management strategy to enhance the operation of active distribution networks"	IEEE Publication
60	2nd Youth National Sustainability Summer Camp	1 month	TU-Berlin, Campus El-Gouna	31/07/2015 - 22/08/2015	Attended a summer camp on the integration of renewable energy, energy food water, sustainable cities, project management, business modeling, and customer development. Total credit hours of 108	
61	Effective Communication Techniques for Instructors and Teachers	3 days	Arab Academy for Science, Technology & Maritime Transport, Egypt	01/05/2015	A course on different effective techniques to improve the communication in the classroom	
62	Rotary Youth Leadership Awards	3 days	Rotaract, Siwa Oasis, Egypt	14/02/2013 - 16/02/2013	A three days extensive leadership course	
63	PLC applications Course	10 weeks	Jeilecom, Egypt	02/07/2012 - 16/08/2012	Technical course on the applications of programmable logic controller (PLC)	
64	Electrical Power Distribution Training	2 weeks	dar al-handasah, Egypt	07/07/2012 - 19/07/2012	Technical training on the design activities of the electrical systems including lighting installations and electrical power distribution networks including software applications in the design works.	
65	General Orientation Entrepreneurship Training	4 days	British University in Egypt, Egypt	10/02/2012 - 13/02/2012	A structured program that aims to equip participants with the necessary skillset and mindset for identifying and launching new business ventures	
66	Leadership Course	1 day	American University in Cairo, Egypt	01/11/2011	A course focuses on the development of personal leadership, team leadership, organisational leadership and societal leadership	
67	HR & Communication skills course	1 month	Arab Academy for Science, Technology & Maritime Transport, Egypt	01/06/2011 - 30/06/2011	A course on human resources and communication skills	