Elena Gaura

Professor of Pervasive Computing at Coventry University

Coventry, , GB

Professor Elena Gaura is Professor of Pervasive Computing at Coventry University.

Biography

Professor Elena Gaura is Professor of Pervasive Computing at Coventry University. She leads the Humanitarian Engineering and Energy Displacement (HEED) project that is responding to the need for improved access to energy (particularly renewable energy sources) for populations displaced by conflict and natural disasters. She is also the lead on the cyber-physical infrastructure theme for the UK?s Prospering From the Energy Revolution (PFER) programme. Elena works with communities in the UK, the Amazon, Philippines, Nepal and Rwanda on energy-for-all solutions enabled by sensing and the Internet. Elena has a PhD in Intelligent Sensor Systems. She chaired (from 2007 to 2013) the UK Wireless Intelligent Sensing Interest Group (WiSIG) within the Electronics, Sensors, Photonics Knowledge Transfer Network. She is an expert reviewer and assessor for the European Commission (EC), Leverhulme Trust, UK Research Councils, Finland Academy of Science and other international funders. She is a full member of the UK?s Engineering and Physical Sciences Research Council College of Peers and the UKRI Future Leaders Fellowships Peer Review College and serves on the British Council Newton Fund Panels. She is an EPSRC affiliated member of the Women?s Engineering Society. She is actively involved with the European Commission and regional government organisations to promote the knowledge transfer from academia to industry and society at large. She is particularly focusing on the use of sensing technologies for reducing poverty, increasing health, enabling social mobility, and working towards the adoption of wireless technologies, Artificial Intelligence and the Internet to tackle global energy challenges. Her work is sponsored by the EPSRC, Innovate UK, Royal Society, European Programmes, British Council, Singapore- MIT Alliance and benefitted from direct sponsorship from industry (such as Jaguar Land Rover, Orbit Housing Association, NP Aerospace, Meggitt Ltd, and others).

Areas of Expertise

Advanced Measurement Systems, Technology for Displaced Communities, Computing, Wireless Sensor Networks, Energy Access

Affiliations

EPSRC College of Peers : Member, IEEE Sensors : Associate Editor, Honorary and Adjunct Professor, Macquarie University, Honorary Professor, Deakin University, Member, UKRI Future Leaders Fellowships Peer Review College

Event Appearances

Keynote Speech: Sustainable Energy Futures for All
World Engineering Day

Data: the Power to Empower. Sensors, Sensing and IOT in Infrastructure-less Environments.
Royal Engineering ?Frontiers of Engineering for Development? Interdisciplinary symposia

Balancing the Present with the Future: The Key to Sustainable Microgrid Design
Global Plan of Action: Working Group V ? Data and Evidence

Refugees and Technology
Panel Discussion and Photo Exhibition

Education

Coventry University
PhD

Technical University of Cluj
BSc Applied Electronics

Saïd Business School, University of Oxford
The Women Transforming Leadership Programme

Accomplishments

Most Innovative Consultant
2013 Housing Innovation Awards

Coventry University International Women's Day Award
For services to Women in Science in India

Membership of Women's Engineering Society to celebrate centenary
Elena was one of nine scientists that were awarded a year?s membership of the Women?s
Engineering Society (WES) to celebrate the organisation?s centenary.

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