International Pulsed Power Workshop

Nanosecond Pulsed Power System - An Emerging Multidisciplinary Technology for Industrial and Bioelectrics Applications

Tuesday 14 July to Wednesday 15 July  
St Leos College, The University of Queensland

Day 1 - Keynote Presentations

Presentations from national and international experts who will talk about their experiences and projects in this field.

Topic 1: Pulsed Power Technology and its challenges (opening session)

Topic 2: Pulsed Power Technology and Related Applications at Karlsruhe Institute for Technology (KIT)

Topic 3: Material Processing by Pulsed Electron Beams for Energy research and Industrial Applications

Topic 4: Primary Impacts of Pulsed Electric Fields on Cells

Topic 5: Large Scale PEF Treatment System for Pasteurization of Protein-rich Liquid Foods

Topic 6: Drug/gene delivery by pulsed power: From pulse electric fields (PEFs) to pulse ultrasound

Topic 7: Recycling and Extraction with Pulsed Power: Challenges and Prospects

Topic 8: ‘Bioactive’ Breastmilk Pasteurised by Nanosecond Pulsed Electric Field

Day 2 - Panel Discussions

UQ academics and industry partners will sit together to discuss the technical issues, exchange views, propose new collaborative pilot projects and plan for future collaboration and joint research funds.

This panel will discuss Pulsed Power Technology, Applications and Monitoring Systems.

This workshop will be a great opportunity for all Australian researchers in the field to initiate an Australian Pulsed Power Consortium

Please register your interest at itee.uq.edu.au/events