

Professor Jennifer Wen

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Jennifer Wen is Professor of Engineering at the University of Warwick. She established and currently leads Warwick FIRE, a multidisciplinary research laboratory for both fundamental and applied research into fire and explosion hazards as well as accidental releases of hazardous materials. Jennifer has published over 300 journal and conference papers and sits on a range of professional and international conference organization/scientific committees including the steering committee member of the UK Explosion Liaison Group, Guest Editor for the special issues of ICHS in the International Journal of Hydrogen Energy (IJHE) and the Science Board of the UK Hydrogen and Fuel Cell Hub.

Jennifer's career funding totals over €8.5M. In the hydrogen safety area, she was the Co-ordinator for EU FP6 Marie Curie Innovative Doctoral Training Program on "Hydrogen combustion in the context of fire and explosion safety (HYFIRE)" and a Marie Curie Fellowship project on hydrogen flame acceleration and transition from deflagration to detonation (DDT). Currently, she is Warwick PI for FCH JU projects "HySEA - Improving Hydrogen Safety for Energy Applications through pre-normative research on vented deflagrations" and "PRESLHY - Pre-normative Research for Safe use of Liquid Hydrogen" as well as UK research council project on safety strategies for onboard hydrogen storage. Jennifer's group has developed HyFOAM within the frame of open source CFD code OpenFOAM for hydrogen safety applications covering jet fires, liquid spill and cloud formation, dispersion, explosions with/without venting and DDT.