

SAFETY AND RELIABILITY SOCIETY LONDON BRANCH



"The Different Faces of System Assurance"

24th October 2017

Peter Sheppard - WSP Rail

Muhammad Zaid Iqbal - EDF Energy

Stephen Barker - Civil Aviation Authority

The three talks at this event will explore the different approaches to safety and assurance in the rail, nuclear and aviation industries. Across the lifecycle, these industries must take tailored approaches due to their very different operational constraints and requirements. However, there are also universal themes, which will also be explored at this session.

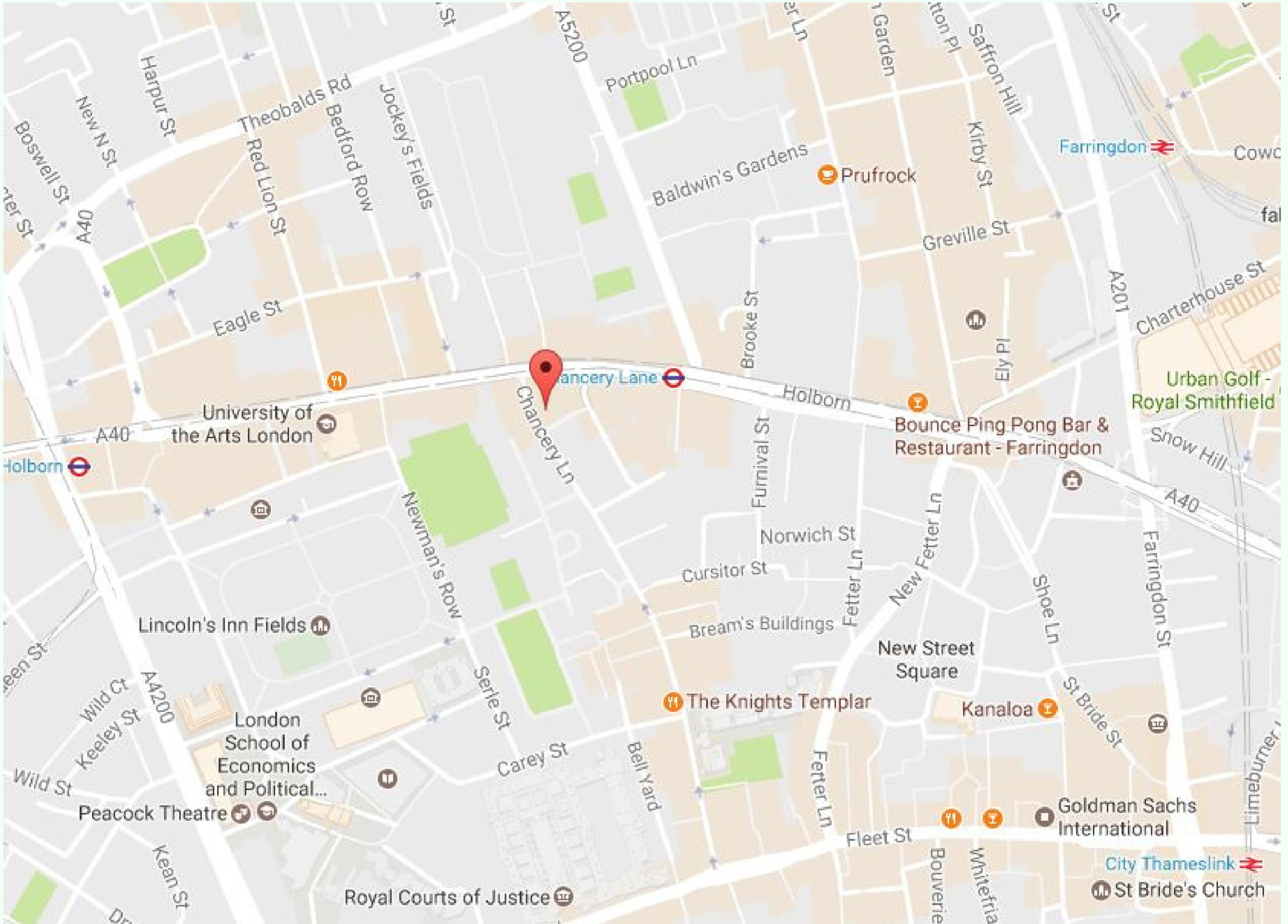
The meeting will begin at 1730, for a 1800 start. Meetings are open to all, you do not need to be a member of SaRS to attend.

Free CPD workshop and drop in membership applications (1530-1700)

Book here:

<https://sars-london-different-faces-system-assurance.eventbrite.co.uk>

Location: WSP Offices, 70 Chancery Lane, London, WC2A 1AF



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All our events are listed here:

<http://www.sars.org.uk/branches/london-branch>

Sign up for the mailing list here:

<https://www.surveymonkey.co.uk/r/ZH5VXGS>

And join the LinkedIn group here: <https://www.linkedin.com/groups/8458580>

And have a think about the benefits of joining SaRS! Come and talk to us at the meetings or find out more here <http://www.sars.org.uk/membership/>

Peter Sheppard has been in the railway signalling business for almost 40 years, specialising in safety for more than 30 years. He has seen railways move from a standards focussed approach, where requirements are embedded in standards, through to a more risk based approach. He will talk about this evolution, and what this means for Engineering Safety Management (ESM), in the context of the implementation of the Common Safety Method (CSM), especially when complemented by Construction Design and Management (CDM).

For over 5 years, Muhammad Zaid Iqbal has been an equipment reliability engineer working on nuclear plants in the UK for EDF. Of all the factors with the potential to adversely affect safety and optimal commercial performance of a nuclear power station, poor equipment reliability is recognised as one of the most significant. However, due to the age of some nuclear plants, designing out single point vulnerabilities (SPV) may not always be possible. Muhammad's talk will focus on how managing performance and safety go hand in hand and how creative approaches may be needed to optimise constrained maintenance resources to ensure reliability in an operating nuclear power station reaching the end of its life.

Stephen Barker has been a Safety Engineer at the Civil Aviation Authority for more than 15 years. With a background in electronics and software across multiple sectors, he currently leads the evaluation of safety critical software for Air Traffic Control. His talk will highlight how independent review, at any point of the project lifecycle, can be used to help manage safety in industries at different levels of maturity, from highly-trusted companies acting exemplars of best practice to those under more commercial and regulatory pressure.