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Joint Institution Lecture Series

# Rollingstock in Cab Signalling Human Factors & Learnings from Other

## Joint Institution Lecture Series

### Event Details

#### Rollingstock In-Cab Signalling Human Factors & the Major Learnings from Other Projects

Drawing primarily on the experience of working on Sydney Trains evaluation and subsequent adoption of the European Train Control System (ETCS), the importance of Human Factors (HF) integration on in-cab signalling projects will be discussed. Outlining the approach taken to consider how to adapt a proven off the shelf system, Todd will highlight the many HF issues that need to be considered. Touching on issues such as how HF considerations may impact the design and implementation strategy of in-cab signalling projects, the presentation will discuss typical HF issues and impact areas, suggested approaches, and key lessons learnt – both from a technical HF integration perspective as well as the overall approach to HF in the project lifecycle.

### About the Speaker

Todd Shardlow – Principal Consultant Human Factors`



Todd Shardlow leads SYSTRA Scott Lister's team of human factors professionals. He is a skilled and passionate human factors professional providing specialist advice for the design, implementation and operation of systems in high-risk environments. Todd's experience is across the rail and oil & gas industries, and has built upon his strong academic background in human factors and organisational psychology to develop a deep understanding of applied and operational safety issues.

As a leading specialist in the integration of human factors on rolling stock systems, he has extensive experience in requirements definition, testing and human factors assurance activities for complex systems such as ETCS and GSM-R.

## VENUE

Harricks Auditorium  
8 Thomas Street  
Chatswood NSW 2068

## DATE & TIME

Thursday 25th May 2017  
5.30 pm for a 6.00 pm start

Light refreshments will be provided prior to the presentation.  
Sponsored by



## TICKETS (incl. GST)

EA Members & Students: Free  
Non-members: \$30

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