

## TECHNOLOGY FOR SAFER WORLD

### The European STAMP Digital Workshop and Conference

21 October – 22 October 2020

Start time: 14:00 BST / End time: 17:20 BST

Moderator: Dr Siddartha Khastgir

#### Draft agenda

##### Day 1

| <b>Time</b>   | <b>Presentation</b>  | <b>Speaker</b>                  |
|---------------|--|---------------------------------|
| 14:00 – 14:10 | Welcome and introduction to WMG  | Prof Paul Jennings, WMG         |
| 14:10 – 15:10 | Introduction to Systems-Theoretic Accident Model and Processes                       | Dr John Thomas, MIT             |
| 15:10 – 15:20 | Q&A  |                                 |
| 15:20 – 15:50 | Virtual Button and Human Machine Interface (HMI) System Safety Evaluation Using STPA | Mark Vernacchia, General Motors |
| 15:50 – 16:00 | Q&A  |                                 |
| 16:00 – 16:30 | OpenAPS: STPA of an Open Source Medical Device                                       | Shaun Mooney, Codethink         |
| 16:30 – 16:40 | Q&A  |                                 |
| 16:40         | Close for the day  | Dr Siddartha Khastgir, WMG      |
| 17:00 – 18:00 | <i>Networking event</i>  |                                 |

##### Day 2

| <b>Time</b>   | <b>Presentation</b>   | <b>Speaker</b>                           |
|---------------|---|--|
| 14:00 - 14:15 | Welcome to Day 2 and introduction to WMG HVM Catapult                                   | Alison Meir, WMG                         |
| 14:15 – 15:00 | Test scenario generation using STPA (Automated Driving System case study)               | Dr Siddartha Khastgir, WMG               |
| 15:00 – 15:10 | Q&A   |  |
| 15:10 – 15:40 | Lessons learnt from applying STPA/CAST to an autonomous UAV programme                   | Dr Mark Chattington, Thales              |
| 15:40 – 15:50 | Q&A   |  |
| 15:50 – 16:20 | SOTIF and FuSa STPA for a Highway Pilot Function of a passenger car                     | Nino Gabriel, Ansys                      |
| 16:20 – 16:30 | Q&A   |  |
| 16:30 – 17:00 | The use of STAMP for developing a proactive safety engineering of the maritime industry | Osiris A. Valdez Banda, Aalto University |
| 17:00 – 17:10 | Q&A   |  |
| 17:10 – 17:20 | <b>Closing remarks</b>  | Dr Siddartha Khastgir, WMG               |