

# Workshop on Theorem Proving in Certification



- ▶ Go to top of stairs
- ▶ Turn left
- ▶ Workshop at end of landing

# Workshop on Theorem Proving in Certification

HERE

Monday, Dec. 5	Presenter/Moderator	Description
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09:00 - 09:30	Naghmeh	Welcome: purpose of the workshop
09:30 - 10:15	Duncan Brown	ED-218, The Formal Methods Supplement for ED-12C(DO-178C)
10:15 - 10:45		Coffee break
10:45 - 12:00	Naghmeh and Jeff	Discussion of the example
12:00 - 13:30		Lunch
13:30 - 14:15	Rod Chapman	Implementation and Analysis of the Nose-Gear Velocity example in SPARK
14:15 - 15:00	John Hatcliff	Using Symbolic Execution to Obtain Greater Automation and Flexibility for Checking Spark Software Contracts in Critical Embedded Systems
15:00 - 15:30		Afternoon tea
15:30 - 16:15	Paul Curzon	Safe Assurance Cases, Proof and the Prevention of User Error
16:15 - 16:45		Just-in-time session discussion topics
16:45 - 17:30	Jeff	Tamarack Standard Discussion (objectives K/L/T)
19:00 - 21:00	Workshop Dinner: menu	(three courses provided)
Tuesday, Dec. 6	Presenter/Moderator	Description
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09:00 - 09:45	Elizabeth Leonard	Middle Men: Obligations and Needs of the Certification Team
09:45 - 10:15	TBA	TBA
10:15 - 10:45		Coffee break
10:45 - 12:00	Lee	Nose Gear Breakout Session
12:00 - 13:30		Lunch
13:30 - 14:15	Yannick Moy	Integrating Formal Program Verification with Testing
14:15 - 15:00		Tamarack standard Discussion (objectives U/V/W)
15:00 - 15:30		Afternoon tea
15:30 - 16:45		Just-in-time session
16:45 - 17:00	Lee	Wrap-up and workshop outcome planning