

Welcome to AI4FM 2015



ALAN BUNDY

ICMS

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Thanks to:

- **All contributors**
- **Conference chairs:** Gudmund Grov (Heriot Watt), Andrius Velykis & Leo Freitas (Newcastle)
- **Ably assisted by:** Yuhui Lin (Heriot Watt), Cliff Jones & Maria Arias (Newcastle).
- **Our hosts:** Audrey Brown (ICMS)

Vision of Workshop

- Limited proof automation of proof obligations is a barrier to more widespread adoption of formal methods.
- Can AI help?
 - By learning successful proof strategies from examples.
 - By learning what hypotheses are most likely to be useful.
 - By suggesting key lemmas, case splits, generalisations, etc.
 - In some other way we've not yet thought of.