

1st hiJaC Workshop

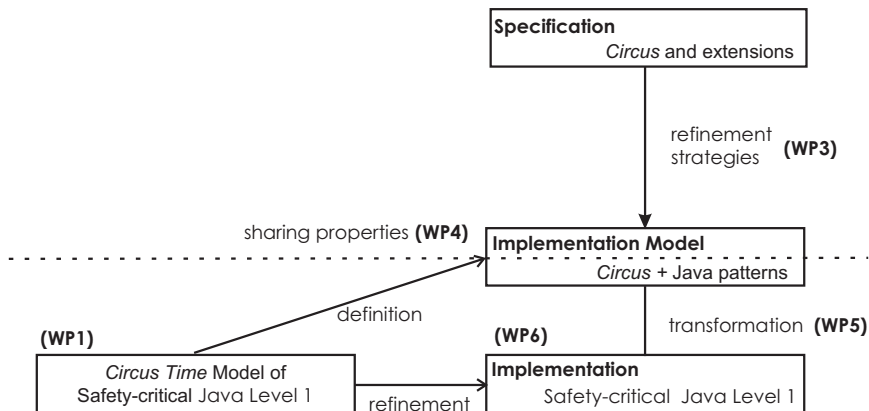
University of York

15 November, 2011

high-integrity Java applications using *Circus*

- Five-year EPSRC project
- Safety-Critical Java
- Support an international effort: SCJ design
- Specification, analysis, design, and programming
- *Circus* family: Z, CSP, refinement calculus, time, object orientation
- Unifying Theories of Programming

The vision



What do we ask?



- Your views on the role of Java and SCJ?
- How can we generate models?
- What modelling patterns can we use?
- Is our approach feasible?
- What are the main practical concerns?

Timetable



9:15	Welcome and coffee
9:30	Andy Wellings: Safety-Critical Java (SCJ) (30 + 15)
10:15	coffee
10:45	Ana Cavalcanti: hiJaC approach (30 + 15)
11:30	Jim Woodcock: foundations of hiJaC (30 + 15)
12:15	lunch
13:30	Frank Zeyda: Circus models of SCJ
14:00	Kun Wei: Circus Time and SCJ
14:15	Statements of position (10-minutes per partner)
15:15	coffee
15:45	Discussion: modelling techniques for SCJ applications
16:30	close