



CAMBRIDGE
CAMJAM! RASPBERRY JAM

- Event:** Pi Wars 2024 - piwars.org for more information
- Venue:** University of Cambridge Computer Laboratory (William Gates Building)
- Dates:** 20th & 21st April 2024
- Description:** A robotics competition in which teams compete on challenge courses
- Event organisers:** Michael Horne, Tim Richardson & David Booth
- First aiders:** Martin McDonnell plus two additional First Aiders (University employees)
- Fire Marshalls:** Martin McDonnell plus two additional Marshalls (University employees)
- Assessment by:** Michael Horne / 07498 963315 / mike@recantha.co.uk

Hazard	Effect	Control measures	Residual risk
Trip hazards from courses	Injury	Post-and-chain barriers will be erected around courses deemed to cause a high risk of tripping. Any power cables will be taped down or otherwise secured.	Low
Pi Noon pins	Injury	Post-and-chain barrier around the course. Wooden walls to prevent robots from exiting the course. Only the Judge is allowed to enter the course to retrieve robots when they are static. Pin mechanism is easy to remove/replace.	Low
Runaway robots	Trip hazard / injury	All relevant courses have “walls” to prevent robots from exiting without control.	Low
Child safeguarding	Danger to children	All under-16 spectators must be accompanied by an adult. All children involved in competition must be accompanied by at least one adult. On request, “No Photography” lanyards will be issued as a safeguard against unwanted photographs. All Judges and Marshals will be asked to take the short Raspberry Pi safeguarding course.	Low
“Zombie” course projectiles	Injury	Course will be set up so that there’s nothing behind it apart from a wall. Robots must face the targets. Course walls and soft furnishings will contain the projectiles. Projectiles must be soft-tipped according to the challenge rules.	Low
Fire hazard from batteries	Injury	Battery charging will be discouraged but will be allowed only outdoors under cover and must always be attended by a responsible adult. Additional guidance on battery charging to be sent to teams ahead of the event. The competition is designed to be non-destructive therefore the risk of damage to batteries is low. Over-discharge LiPo alarms or monitors will be required.	Low