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Western Joint Branch

A Joint Branch of the RINA and the IMarEST

Design Challenge Presentations

2019 Design Challenge – Finals Night

Ocean Plastics Removal



Date: Monday 02/12/2019

Time: Refreshments at 19:00, start at 19:25

Venue: Lecture Theatre 1N05, Building N, University of the West of England, BS16 1QY.

Organiser: Western Joint Branch

Contact: secretary.wjb@imarest.org

Summary:

The 2019 WJB Design Challenge has been to design a system capable of removing items of plastic from the sea. This challenge focussed on the problem of macro-plastics in the oceans, such as the Great Pacific Garbage Patch. Currently, a number of designs have been discussed and built around the world, but without widespread success in removing large quantities of plastics from the oceans. The challenge was to design a complete system for the large scale removal of macro-plastics from seas / oceans, considering the period from leaving harbour for the first time to end of life decommissioning. A rules document was provided to the teams in September detailing the design requirements and marking criteria. In particular, a sufficient level of design and calculations were required to prove the viability of the concept and provide an indicative cost.



Image: <https://www.earthday.org/2018/03/07/fact-sheet-end-plastic-pollution/>

Format:

The posters produced by each of the 6 teams will be displayed in the foyer during the refreshments period for the audience and judges to view. Following a short introduction from each of the judges the teams will give a 10 minute presentation with 5 minutes of questioning from the judges to determine the marks and overall positions for the 2019 WJB Design Challenge.



Continuing Professional Development: Certificate of attendance

Attendee

Signed: _____

Name: _____

Committee endorsement

Signed: _____

Position: _____

Next event: Submarine Escape and Rescue

Date: Mon 20/01/2020, **Time:** Refreshments at 19:00, start at 19:25

Venue: Lecture Theatre 2.3, Building 5 West, University of Bath, BA2 7AY.

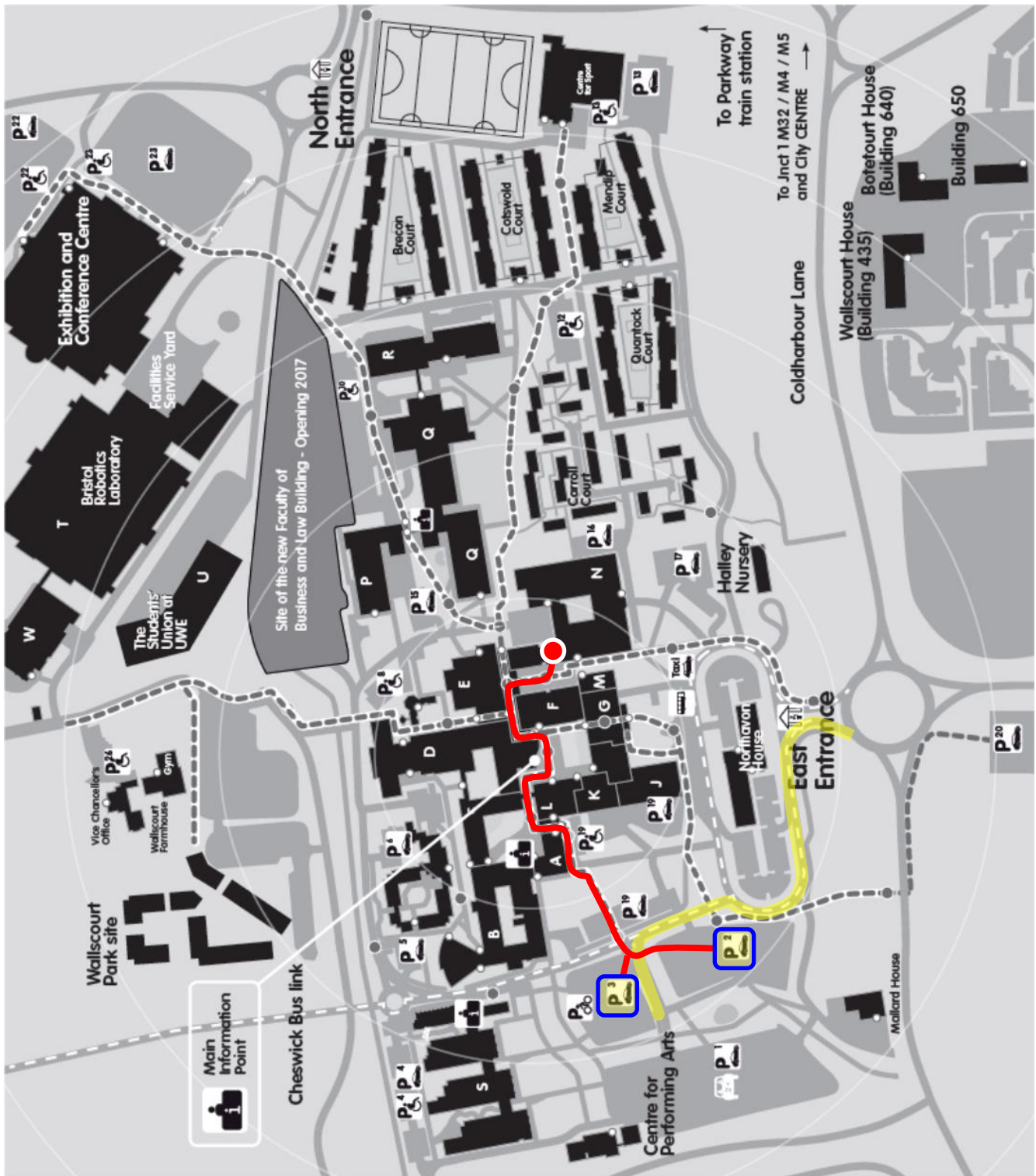
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Chairman Mr K Heaney CEng MRINA MIMarEST
Vice-Chairman Mr. C Riley AMRINA

www.imarest.org/local-communities/uk/western-joint
www.rina.org.uk/western_joint_branch
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Honorary Secretary Mr. T Roberts AMRINA
Young Members Network Mr J Williams CEng MRINA



Frenchay Campus Map

Key information

- Walkways
- Information Point
- Cheswick Bus Link
- Reception
- Entrance Gate
- Parking
- Accessible Parking
- 2+ Parking

To contact the Information Point please call 0117 32 85678

Estimated walk time between each circular line - 2 minutes

