

# Local Communities



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## Western Joint Branch

A Joint Branch of the RINA and the IMarEST

**Chairman** Mr M Hood CEng MIET MAPM FRINA RCNC

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**Honorary Secretary** Mr M Tuohy-Smith AMRINA

✉ [secretary.wjb@imarest.org](mailto:secretary.wjb@imarest.org)

## Technical Lecture

## Autonomous Surface Vehicles for Marine Science, Security and EEZ Monitoring

Stephen Hall, National Oceanography Centre



image: MTS

**Date:** 22/02/2016

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

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

**Organiser:** Neil Hodges

**Contact:** [secretary.wjb@imarest.org](mailto:secretary.wjb@imarest.org)

**Summary:** Ships are versatile, long-ranged and highly capable, but are expensive to purchase and to operate, meaning few units can be on patrol at any one time. Autonomous surface vehicles help fill in the gaps so that sea space can be patrolled effectively at an affordable cost, enhancing marine security and protecting conservation zones or sensitive locations. As science platforms they can also gather a large variety of data.

In this lecture, Stephen Hall will outline the experience of the National Oceanography Centre to date in operating autonomous surface vehicles, examine the pros and cons of autonomy versus remote control, and briefly look at the legal situation surrounding the use of vessels that do not carry a crew.



British-made ASV C-Enduro autonomous surface vehicle, photo: Jackie Pearson NOC



image: NOC

**Speaker:** Stephen Hall CSci CMarSci FIMarEST is head of NOC's International and Strategic Partnerships Office, and was elected as Vice Chair of UNESCO's Intergovernmental Oceanographic Commission in 2015. He currently specialises in marine science policy, tsunami warning system infrastructure provision and international ocean science collaboration.

### Continuing Professional Development - Certificate of Attendance:

# CPD

#### Attendee:

Signed:

Name:

#### Committee Endorsement

Signed:

Position:

**Next Lecture:** 'Polar Exploration'

**Date:** 21/03/2016, **Time:** Refreshments at 19:00, start at 19:25

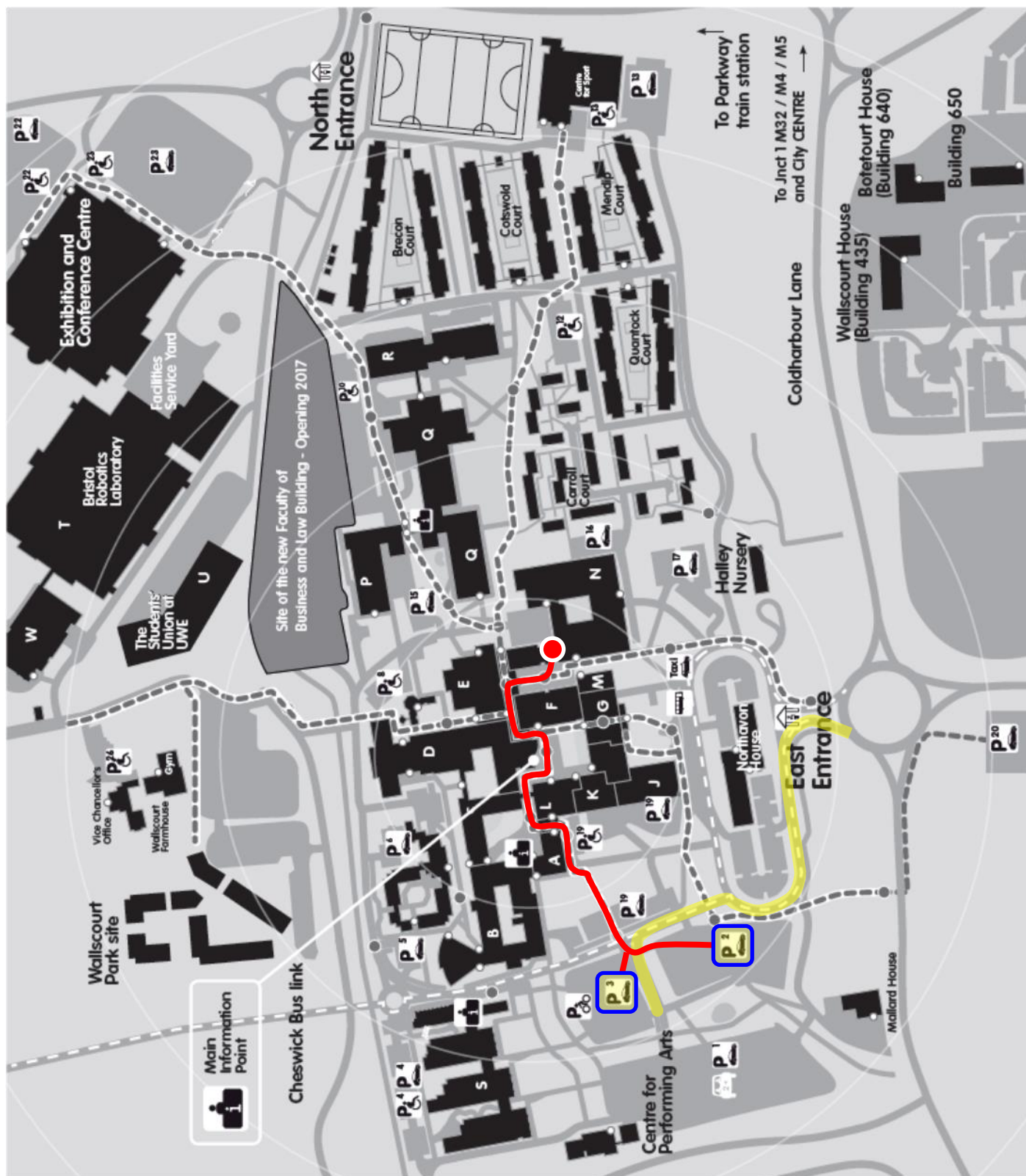
**Venue:** Lecture Theatre 2.3, Building 5 West, University of Bath, BA2 7AY.

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## 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

