

# Masonry Arch Bridge Future Research Symposium

The masonry arch bridge is the most common bridge structural form in the UK and Europe, and prevalent across much of the rest of the world. Although most of the existing stock is at least 150 years old, very few have been built in the last 80 years. There are, therefore, great challenges in maintaining this stock of vital infrastructure, and little expertise in the construction of new arch bridges.

## Objective

This symposium is intended to present the current state-of-the-art in masonry arch bridge research and application; then establish the future needs of industry for arch bridge research.

## Itinerary

| Time    | Speaker                     | Topic   |
|---------|-----------------------------|---|
| 09:30am |                             | Coffee  |
| 10:00am | Clive Melbourne (Salford)   | Key note address  |
| 10:15am | Matthew Gilbert (Sheffield) | Bridge assessment – state of the art research                       |
| 10:45am | Steve Garrity (Leeds)       | Bridge repair and strengthening – state of the art research         |
| 11:15am |                             | Plenary – future direction for assessment, strengthening and repair |
| Noon    |                             | Lunch   |
| 1:00pm  |                             | Demonstrations  |
| 2:00pm  | Adrienn Tomor (UWE)         | New masonry arch bridge design – state of the art research          |
| 2:30pm  | Lorenzo Macorini (Imperial) | Computational modelling – recent developments                       |
| 3:00pm  |                             | Plenary – future directions for new bridge design and construction  |
| 3:45pm  |                             | Summary   |
| 4:00pm  |                             | Close   |

*The early finish time is intended to permit additional time for delegates to network*

## Venue

The symposium will be held in the Chapman Building at the University of Salford, on Wednesday 6<sup>th</sup> April 2016. Salford Crescent railway station is five minutes walk from the venue, and the university campus is 600m from the end of the M602, with car parking available adjacent to Faraday House and the Allerton Building. A campus map is available at <http://www.salford.ac.uk/about-us/travel/campus-map/map-low-res-2.pdf>

## Who should attend

Anyone with a current or future interest in masonry arch bridge research. This may include academics involved in arch bridge or masonry capacity or durability research; industrialists involved in bridge design, assessment or strengthening works.

## Registration

Attendance is free but you must register with the convenor, [b.j.haynes@salford.ac.uk](mailto:b.j.haynes@salford.ac.uk) quoting *ArchSymposium* in the email subject. Attendees will be provided with a one-day CPD certificate.



Symposium sponsors