



YORKSHIRE AND LEEDS

Yorkshire, formally known as the County of York, is a historic county of Northern England and the largest in the United Kingdom.

Within the borders of the county of Yorkshire are areas which are considered to be among the greenest in England, due to the vast stretches of unspoilt countryside in the Yorkshire Dales and North York Moors and to the open aspect of some of the major cities. Yorkshire has sometimes been nicknamed "God's Own County".

It considers its food and drink reputation as now the best in Britain, boasting more Michelin-starred restaurants than anywhere else in the country besides London. On every street corner there are proper pubs that sell proper pints - even the odd Yorkshire vineyard. It boasts a hugely impressive arts scene, three national parks, a wild and rugged coastline, and wonderful Victorian architecture. Yorkshire has a mixed economy, the City of Leeds being Yorkshire's largest city and is the main centre of trade and commerce.

Leeds is one of the UK's larger financial centres. A bustling city surrounded by beautiful countryside. A city rich in heritage. Home to Leeds City Museum, which takes you through the city's 800-year history, and the Royal Armouries, displaying part of the national collection of arms and armour and many other treasures, Leeds City Art Gallery, which houses a world-class collection of 20th century British art, and the University of Leeds is home to the Stanley and Audrey Burton Art Gallery, showcasing the University's outstanding art collection and the M&S Company Archive's 'Marks in Time' Exhibition. It's a diverse city with a huge range of places to eat and drink catering for every taste and budget, and has a well-deserved reputation for being great for shopping. The Victoria Quarter, Harvey Nichols and the largest branch of John Lewis in the north of England all lead onto pedestrianised streets in the city centre - and Kirkgate market, with the largest covered market in Europe. Leeds has several major sports and is a gateway to some of the finest cycling, walking and climbing routes in the UK.

KEY DATES

Abstract submission:

Extended until Friday 29 September 2017

Abstract acceptance notification:

Thursday 19 October 2017

Full paper submission:

Monday 15 January 2018

Paper acceptance notification:

Friday 16 March 2018

Final manuscript submission:

Monday 30 April 2018

Conference:

Wednesday 18 – Friday 20 July 2018

INTERNATIONAL ORGANISING COMMITTEE

Yun Bai, University College,
London, UK

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Technology Madras, India

Michal A. Glinicki, Polish Academy of
Sciences, Poland

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SIXTH INTERNATIONAL CONFERENCE ON DURABILITY OF CONCRETE STRUCTURES AND NEVILLE SYMPOSIUM ON ADVANCES IN CONCRETE TECHNOLOGY

(ICDCS 2018)

18 – 20 JULY 2018

LEEDS, UK

ABSTRACT SUBMISSION EXTENDED
UNTIL **FRIDAY 29 SEPTEMBER**

International Organising Committee Chairman
P.A.M. BASHEER
University of Leeds, UK

Co-chairmen

Wei-Liang JIN - Zhejiang University, P.R. China

Tamon UEDA - Hokkaido University, Japan

Jan OLEK - Purdue University, West Lafayette, IN, USA

Feng XING - Shenzhen University, P.R. China

Explore the Conference Website -
<https://tinyurl.com/ICDCS2018>

Email: ICDCS2018@leeds.ac.uk
T: +44 (0)113 343 2494/8104



CALL FOR ABSTRACTS

Authors are invited to submit one page abstract of papers (approximate 300 words in English without figures and tables) for peer-review.

Abstract submission has been extended until **Friday 29 September** and full details of the submission process are available on the conference website <https://tinyurl.com/ICDCS2018>

CONFERENCE TOPICS

The general topics to be covered include:

- Influence of exposure environments on the durability
- Ionic/molecular transport and modelling
- Materials for enhancing the durability
- Mechanisms of deterioration
- Performance of deteriorated structures
- Design for durability and service life
- Life-cycle assessment of concrete structures
- Testing, inspection and monitoring methods
- Repair and maintenance
- Novel cementitious materials
- Practical applications

NEVILLE SYMPOSIUM ON ADVANCES IN CONCRETE TECHNOLOGY

As part of the ICDCS2018, a one-day symposium on Advances in Concrete Technology will be held on the 18th of July 2018 to honour Professor Adam Neville, FREng, CBE for his contributions to the field of concrete technology.

University of Leeds will be inaugurating the Neville Centre of Excellence in Cement and Concrete Engineering on the 6th of October 2017 to commemorate Prof Neville's contributions to the University as Chair in Structural Engineering and Head of School of Civil Engineering.

This symposium will have presentations by invited speakers who have long-standing association with Prof Neville and registration to the event is included as part of the ICDCS2018 registration.

BACKGROUND

Welcome to the Sixth International Conference on Durability of Concrete Structures (ICDCS 2018) which will be held in Leeds, UK, on Wednesday 18 – Friday 20 July 2018.

Concrete is currently the most popular construction material in the world. This has been achieved through progress in research and developmental activities over many decades by numerous researchers. Although the first use of concrete can be traced back to BC 7000 in a concrete floor at Yiftah El, Southern Galilee, Israel, the modern concrete emerged in the nineteenth century when Portland cement was invented. With the introduction of reinforced and prestressed concretes, there was steady progress towards the emergence of concrete as the most popular construction material. However, the performance of concrete was not satisfactory at all times. Many structures deteriorated prematurely due to their continuous interactions with the service environment, where physical and chemical processes in concrete caused its damage. Therefore, an understanding of the deterioration mechanisms and methods of their assessment has become extremely important in order to develop durable concrete structures.

The International Conference on the Durability of Concrete Structures (ICDCS) series brings together leading experts in the field of concrete durability from around the world. The aim is to discuss recent progress and latest developments in materials technology, assessment of performance both in laboratories and on site, service life concepts and reuse and recycling of construction materials and products to enable concrete constructions to be durable and sustainable.

This conference at University of Leeds is the sixth in the ICDCS series. The first International Conference on the Durability of Concrete Structures (ICDCS2008) was held at Zhejiang University Hangzhou, China in 2008, the second (ICDCS2010) at Hokkaido University Sapporo, Japan in 2010, the third (ICDCS2012) at Queen's University Belfast, Northern Ireland, UK in 2012, the fourth (ICDCS2014) at Purdue University, West Lafayette, Indiana, USA in 2014, and the fifth in the series (ICDCS2016) at Shenzhen University, Shenzhen, China in 2016.

EXHIBITION

Exhibition opportunities for companies to display their products and services will be made available and all enquiries should be sent to ICDCS2018@leeds.ac.uk

CONTACT

ICDCS2018 Secretariat
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CONFERENCE FEES

Conference fee includes attendance at all the sessions on Wednesday 18 to Friday 20 July 2018; conference proceedings; daily refreshments and lunches; and the conference banquet.

Early Registration Fee - on or before Monday 30 April 2018*

Regular £450.00
Student £300.00

*All presenting authors must register by Monday 30 April 2018 or the paper may be withdrawn from the programme.

Standard Registration Fee - from 1 May until 15 July 2018

Regular £600.00
Student £450.00

CONFERENCE VENUE

The conference will be held in the Faculty of Engineering at the University of Leeds, one of the largest universities in the UK situated on the edge of the city centre.

Twice winner of the Queen's Anniversary Prize, The University of Leeds has also been named University of the Year 2017 by The Times and The Sunday Times' Good University Guide.

ABOUT THE SCHOOL OF CIVIL ENGINEERING

Leeds is the place of the invention of Portland cement (by Joseph Aspdin in the U.K. in 1824), and the University of Leeds is globally renowned for its teaching, research and engagement with industry and government.

The School of Civil Engineering is top 75 University for Civil Engineering – Shanghai Ranking's Global Ranking of Academic Subjects 2016 and Top 100 University for Civil and Structural Engineering – QS World University Rankings by Subject 2016 and one of the largest and longest established Civil Engineering schools in the UK with just over 650 students from over 70 countries studying with us.