Dear Friends of BCA Academy,

You are cordially invited to a Public Lecture organised by BCA Academy on *Building Defects – How Come? How to Overcome?*.

Details of the Public Lecture and programme are provided in the poster below.

Please [click on the poster](#) to be directed to our [online registration](#). Seats are limited, therefore your [advance registration](#) would be most appreciated.
Thank you!

For enquiries or feedback, please email us at bca_academy@bca.gov.sg. For more information, visit the BCA Academy’s website now for other seminars/courses details. You are receiving this email as you are subscribed to our mailing list. If you no longer wish to receive such emails, please send an email to bca_academy@bca.gov.sg with the subject “Unsubscribe”.

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**BUILDING DEFECTS: HOW COME? HOW TO OVERCOME?**

**PUBLIC LECTURE**
10 Apr 2019, 1.30pm-4.00pm
BCA Academy
250 Braddell Road,
Academic Tower, Auditorium
(Registration starts at 1.00pm)

**ADMISSION IS FREE**

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**MATERIAL SELECTING IN THE ERA OF UNCERTAINTIES**

**Dr Ali Rashidpour**
Programme Coordinator & Member of Panel for Innovation and Performance, University of Manchester, UK

The lecture will give an insight on water material selection for reducing lifecycle costs by considering two critical factors: emerging of new materials and climate change.

The key discussion includes the common forms of long-term damage and failure of materials in the context of structures performance, i.e. fatigue, corrosion, creep, UV effects and hydrogen embrittlement. Some common methods of service life prediction and effects of climate change on long-term behavior of materials and structures will also be discussed.

Lastly, the lecture will discuss the flexible maintenance regime as an option to improve sustainability and durability of structures in long term.

**TIME**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PROGRAMME</th>
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<tbody>
<tr>
<td>1.30pm</td>
<td>Welcome and Introduction BCA@ – Ms Cynthia Heng, DDS (BDSM)</td>
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<tr>
<td>1.40pm</td>
<td>LECTURE #1: Material selection in the era of uncertainties Dr Ali Rashidpour Programme Coordinator /Lecturer University of Manchester Member of- board of directors, Singapore Concrete Institute</td>
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<tr>
<td>3.00pm</td>
<td>LECTURE #2: Pathology of Building Materials – Closing the loop Mr Wenh Chong Nan Director, MADK Consulting Pte Ltd MIE2, SG(ACI) (Expert member), WTA (Full member)</td>
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<tr>
<td>3.30pm</td>
<td>Course Preview for BCM and BCE BCA@ – Dr Weng Ian, BCP Course Coordinator / Lecturer Singapore Heavy Equipment Association (SHEA) – Dr Fernando, BCM Course Coordinator / Lecturer</td>
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