

**CPD Eligibility**

**2 STU (Struct) APPROVED**  
**PDU (PE, CEng) PENDING**

**Webinar on****DIGITAL TRANSFORMATION OF THE BUILT ENVIRONMENT INDUSTRY****28 Oct 2020 (Wed), 2.00pm – 5.00pm (SGT)**

As the world takes the first steps towards economic recovery from the COVID-19 pandemic, governments are rolling out measures that are expected to enable construction activity to resume safely.

A lesson learnt over the past few months is that digitalisation can make a tremendous contribution to the conduct of businesses - ensuring quality, safety, security and productivity.

Reports published last year indicated that, in Europe, digitalisation of the Built Environment can bring annual savings of billions of dollars. And what the pandemic has highlighted is that digitalisation is also the best option from the point of view of safety.

On its part, the Government of Singapore has committed to financially support firms in the Built Environment sector in the adoption of digital solutions to reduce manpower requirements and keep workers and worksites safe, whilst also raising quality and productivity.

Organised by 'The Singapore Engineer', the webinar on 'Digital transformation of the Built Environment industry', provides a glimpse of some of the initiatives taken in Finland and in Singapore, towards achieving these objectives.

**Speakers****Ms Irma Ylikangas**

Senior Business Advisor  
Helsinki Business Hub  
Finland

**Mr Jon Tan**

Technical Manager  
iNPQS  
Singapore

**Mr Teemu Lehtinen**

CEO, KIRAHub  
Finland

**Fees****IES Members:** \$20.14**RE & RTOs, Members of CIJC****Associations:** \$26.75**Non-Members:** \$32.10*(all prices are inclusive of GST)***Organiser****Supporting Partners**

**Register  
Here**

## PROGRAMME

Time	Topic	Speaker
1400	Welcome Address	<b>Dr Chandra Segaran</b> , Chairman, IES Publications Committee
1405	Digital tools to enhance the life cycle of buildings - from construction to maintenance	<b>Ms Irma Ylikangas</b> Senior Business Advisor Helsinki Business Hub
1445	Overview of iNPQS and its objectives	<b>Mr Jon Tan</b> Technical Manager (M&E), iNPQS
1525	Break	
1540	Facilitating digital transformation of the construction sector in Finland	<b>Mr Teemu Lehtinen</b> CEO, KIRAHub
1620	Q&A	
1700	End of Seminar	

## SYNOPSIS



### Ms Irma Ylikangas

Senior Business Advisor  
Helsinki Business Hub  
Finland

### Digital tools to enhance the life cycle of buildings - from construction to maintenance

Recent surveys (6/2020) show that about 80% of construction companies in Finland have gone digital. Furthermore, 95% of the respondents noted either significant improvements or at least some tangible benefit to their operations.

This presentation introduces some innovative digital tools that help to improve information sharing and sharpen efficiencies especially during the construction process and will also touch on the development of smart buildings that create a better working environment for happier employees.



## SYNOPSIS



**Mr Jon Tan**

Technical Manager,  
iNPQS  
Singapore

### **iNPQS - intelligent National Productivity and Quality Specification**

iNPQS is a cloud-based digital platform co-created by the Singapore Institute of Architects (SIA), the Institution of Engineers, Singapore (IES), and the Association of Consulting Engineers Singapore (ACES).

iNPQS will allow architects, engineers and specification writers to create BIM-enabled specifications from reference standard templates which can be customised to suit each project, and which are adaptable to current and future design software.

iNPQS covers public residential, private residential (non-landed), industrial, infrastructure and commercial projects, and has been completed for launch in November 2020.



**Mr Teemu Lehtinen**

CEO, KIRAHub  
Finland

### **Facilitating digital transformation of the construction sector in Finland**

The construction sector has huge potential to raise productivity, quality and user experience by increased adoption of digital technology.

This presentation will cover different initiatives and concrete examples in Finland of facilitating digital transformation in the construction sector. KIRA-digi started an experimental program in 2016 and continued with the Reform of Land Use and Building Act to create a national platform for built environment data.

Finland aims to be the forerunner in the creation of a sustainable digital built environment.

KIRAHub, a recently established non-profit innovation hub for the built environment- works with the government, municipalities, private sector, research institutes and start-ups to achieve the shared goal of building an innovative ecosystem.

# **TERMS & CONDITIONS**

## **Registration**

Registration will be on a first-come-first-served basis and will only be confirmed upon receipt of full payment, unless otherwise invoiced. All registrations must be submitted with the completed on-line Registration Form.

## **Closing Date & Payment**

The closing date for registering for the seminar shall be by Tuesday, 27 October 2020. Payment via credit card, PayPal and invoice should be settled at least 1 business day before the event.

## **Confirmation of Registration**

Confirmation of registration will be given 3 business days prior to the seminar via email. We reserve the right to allow only confirmed registrants to attend the event.

## **Refunds and Cancellations**

No refunds will be made for withdrawals. Replacements will be allowed only if written notice is received by us at least 3 business days before the seminar. However, when an IES member is replaced by a non-member, the participant shall pay the difference in the relevant fees at least 3 business days before the seminar.

## **Course Cancellation/Postponement**

Changes in venue, date, time and speakers for the events can occur due to unforeseen circumstances. The organiser reserves the full right to cancel or postpone the event under such circumstances without prior reasons. Every effort, however, will be made to inform the participants or contact person of any cancellation or postponement.

Fees will be refunded in FULL if the Event is cancelled by the organiser.

## **Enquiries**

For more information, please email: [desmond@iesnet.org.sg](mailto:desmond@iesnet.org.sg) or [jiayu@iesnet.org.sg](mailto:jiayu@iesnet.org.sg)