



# IATGN-10

DIT Architectural Technology Conference

You are cordially invited to

## IATGN-10 DIT Architectural Technology Conference

The DIT Dublin School of Architecture will host an afternoon conference on Friday 27 March to mark the 10th anniversary of the first Irish Architectural Technology Graduate Network (IATGN) meeting which took place in DIT Bolton Street in March 2005.

The objective of the conference is to present and debate a range of recent significant developments in architectural technology education and practice.

The following topics will be presented by expert speakers

- **Developments in Architectural Technology Education**
- **Building Information Modelling**
- **Environmental design opportunities for built environment disciplines**
- **Broadening career opportunities**
- **QQI Benchmark Standard for Architectural Technology**
- **A Register of Architectural Technologists**

**Friday 27 March 2015**

**14.00 – 17.30**

**Michael O'Donnell Theatre, Room 259  
DIT Bolton Street, Dublin 1**



**IATGN-10  
Architectural Technology Conference**



**BOLTON STREET**  
**1911-2011**





# DIT College of Engineering + Built Environment

## DUBLIN INSTITUTE OF TECHNOLOGY

- College of Business
- College of Arts & Tourism
- College of Sciences & Health
- College of Engineering & Built Environment

## COLLEGE OF ENGINEERING & BUILT ENVIRONMENT

- School of Planning & Transportation (Built environment disciplines  
(planning))
- School of Electrical & Electronic Engineering (electrical services engineering)
- School of Mechanical & Design Engineering (building services engineering)
- School of Surveying & Construction (surveying & management)
- School of Civil & Structural Engineering (civil & structural engineering)
- School of Architecture (+ Construction) (architecture + construction)
- School of Multidisciplinary Technologies (multidisciplinary)





LINENHALL





## IATGN-10 CONFERENCE PROCEEDINGS

### Part 1: EDUCATION

#### 14.00 Introduction

*Cormac Allen, Head of Architectural Technology, DIT*

#### 14.10 Building Information Modelling

*Malachy Mathews DIT*

#### 14.30 The role of Architectural Technologists in Energy and Environmental Design

*Patrick Daly DIT*

#### 14.50 Developments in Architectural Technology Education

*Cormac Allen DIT*

#### 15.10 QQI Benchmark Standard for Architectural Technology

*Dr Peter Cullen QQI*

#### 15.20 Discussion

#### 15.30 Break: refreshments courtesy of Datech





## IATGN-10 CONFERENCE PROCEEDINGS

### Part 2: **PROFESSION**

#### 16.00 **Introduction**

*Malachy Mathews DIT*

#### 16.10 **Broadening career opportunities**

*Paul Lawrence, Former IATGN chairman, Jones Engineering*

#### 16.30 **A Register of Architectural Technologists**

*Martin Vaughan Department of the Environment, Communities and Local Government*

#### 16.50 **Discussion**

#### 17.30 **End**







## Political drivers

Climate change

Energy security

Population growth

2050 90% of existing buildings still here + 90% nZEB retrofitted

2040 9 billion people

2020 EPBD (Energy Performance in Buildings Directive) nZEB

2018 EPBD nZEB public sector

2015 We are not prepared, domestically or globally





## Architecture needs Technologists

“It’s not what I signed up for”

“Do you take Technologists?”

“Technologist and proud” (MScERT)

“What does a Technologist do that an Architect does not?”

“The Germans have no BSc (Hons) Architectural Technology”







**What has DIT been doing since 2005?**



Year	External engagement	DIT AT programme development	External developments
2004	IATEF 1: DIT	<ul style="list-style-type: none"> <li>DT105 BSc Architectural Technology: commence</li> </ul>	
2005	IATGN 1: DIT IATEF 2: DIT		New Schools of Architecture x 3 RIAI Architectural Technology Task Group
2006	IATGN 2: DIT IATGN Regional: CIT, WIT, LIT IATGN 3: RDS		<i>UK QAA Subject Benchmark Statement</i>
2007	ATI report IATGN 4: DIT IATGN Regional: CIT, WIT, LIT IATEF 3: IT Carlow	<ul style="list-style-type: none"> <li>DT105 BSc Arch Tech: first graduation</li> </ul>	Building Control Act 2007 RIAI Architectural Technician Committee
2008	<b>CRASH</b>	<b>CRASH</b>	<b>CRASH</b>
2009	IATEF 4: GMIT	<ul style="list-style-type: none"> <li>Level 8 DT175/a/b BSc (Hons) Arch Tech: validation</li> <li>Level 9 DT175c PGCert Applied Arch Tech: validation</li> <li>Level 8 DT175a BSc (Hons) Arch Tech: commence</li> </ul>	RIAI Standard for Practice as AT Government 5 year Policy on Architecture
2010	IATEF 5: Cork IT	<ul style="list-style-type: none"> <li>Level 8 DT175 BSc (Hons) Arch Tech: Ab initio commence</li> <li>Level 8 DT175b BSc (Hons) Arch Tech: RPL commence</li> </ul>	
2011	ICAT Dublin 2011	<ul style="list-style-type: none"> <li>Level 9 DT774 PGCert DAER: validation</li> <li>Level 9 DT774 PGCert DAER: commence</li> </ul>	Springboard commence
2012	IATEF 6: WIT	<ul style="list-style-type: none"> <li>Level 8 DT775/a CPD Dip BIM Tech: validation</li> <li>Level 9 DT775b CPD Dip TBA: validation</li> <li>Level 9 DT774a/b MSc ERT: validation</li> <li>Level 8 DT775/a CPD Dip BIMTech/Collab BIM: commence</li> <li>Level 9 DT775b CPD Dip TBA: commence</li> <li>DT105 BSc Arch Tech: final graduation</li> </ul>	
2013		<ul style="list-style-type: none"> <li>Level 9 DT774a PGDip DAER: commence</li> <li>DT175a BSc (Hons) Arch Tech: final graduation</li> </ul> <p>New School of Architecture + Construction End of Department of Architectural Technology</p>	BC(A)R S.I.81
2014		<ul style="list-style-type: none"> <li>Level 9 DT9876 MSc aBIMM: validation</li> <li>Level 9 DT774b MSc ERT: commence</li> <li>Level 9 DT9876 PGCert BIM Tech: commence</li> <li>DT175 BSc (Hons) Arch Tech: first graduation</li> </ul>	BC(A)R S.I.9 <i>UK QAA Subject Benchmark Statement</i>
2015	IATGN-10: DIT	DIT School of Architecture + Construction: Review	QQI Expert Group Register of Architectural Technologists



