

Presentation:

BIM at GMIT

Presenter:

Jim O'Connor

*Lecturer CAD, Virtual Modelling and BIM at GMIT
gerard.nicholson@gmit.ie*

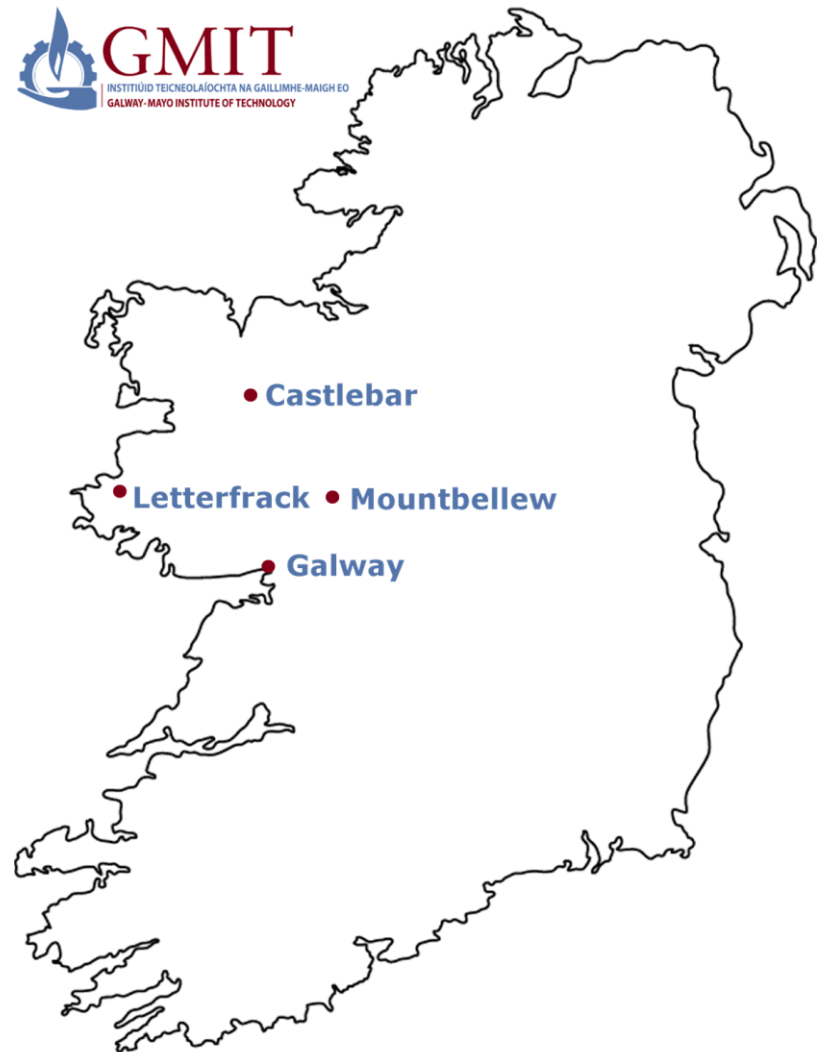
Gerard Nicholson

*Lecturer CAD, Virtual Modelling and BIM at GMIT
gerard.nicholson@gmit.ie*



GMIT is based across four locations in the west of Ireland

- The Galway Campus is the largest of the four campuses. A variety of courses are available in the areas of **business, science, engineering, arts** and **tourism**
- GMIT is the Sunday Times **Institute of Technology of the Year 2015**
- GMIT encourages new research activities driven by academic staff and researchers, in areas of **critical importance to industry** and the region



BIM in the Department



BIM

2002 Began teaching Archicad

2006 First IT in Ireland to embed BIM

BIM

1-4 years

Required on major projects

BIM AG to be included

BIM for Construction

1-4 years

Revit and Navisworks

BIM AG currently being used in 4th year

BIM for QS

1-2 years

Revit and CostX

BIM AG currently being used in 4th year

BIM

1-4 years

Revit and Civil 3d

Utilized on the students integrated projects

BIM in the Department

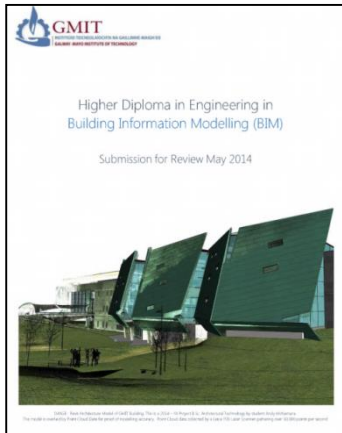
Architectural Technology

Construction Management

Quantity Surveying & Construction Economics

Civil Engineering

Higher Diploma in Engineering in BIM



BIM Virtual Modelling

Fundamentals of BIM Models using Autodesk Revit Suite

Module Electives

- BIM Architecture
- BIM Structure
- BIM Infrastructure
- BIM MEP

BIM Collaboration

BIM AG, fundamentals of Collaboration and Coordination within BIM using Autodesk Navisworks/ Revit/ Civil 3D

BIM Research Project

Analyze and evaluate in detail issues associated within actual projects using primary and secondary research techniques

Higher Diploma in Engineering In BIM (Level 8)

Year 1 Semester 1 (12 Weeks)

Year 1 Semester 2 (Electives) (12 Weeks)

Year 2 Semester 3 (12 Weeks)

Year 2 Semester 4 (12 Weeks)



Jim O'Connor

*M.A. Interactive
Multimedia in
Education and Virtual
Learning Environments*



Gerard Nicholson
**Programme Chair, Outreach
Coordinator & Secretary**

*MSc Res BIM, BSc Hons
Arch Technology
BRE BIM IM*



Dr. Mark Kelly

*PHD,
Pg Cert,
Pg Dip in Academic Practice*



Andy McNamara

*MEngSc,
Arch Technology*



Tommy Coyne

BEng (Hons), MIEI

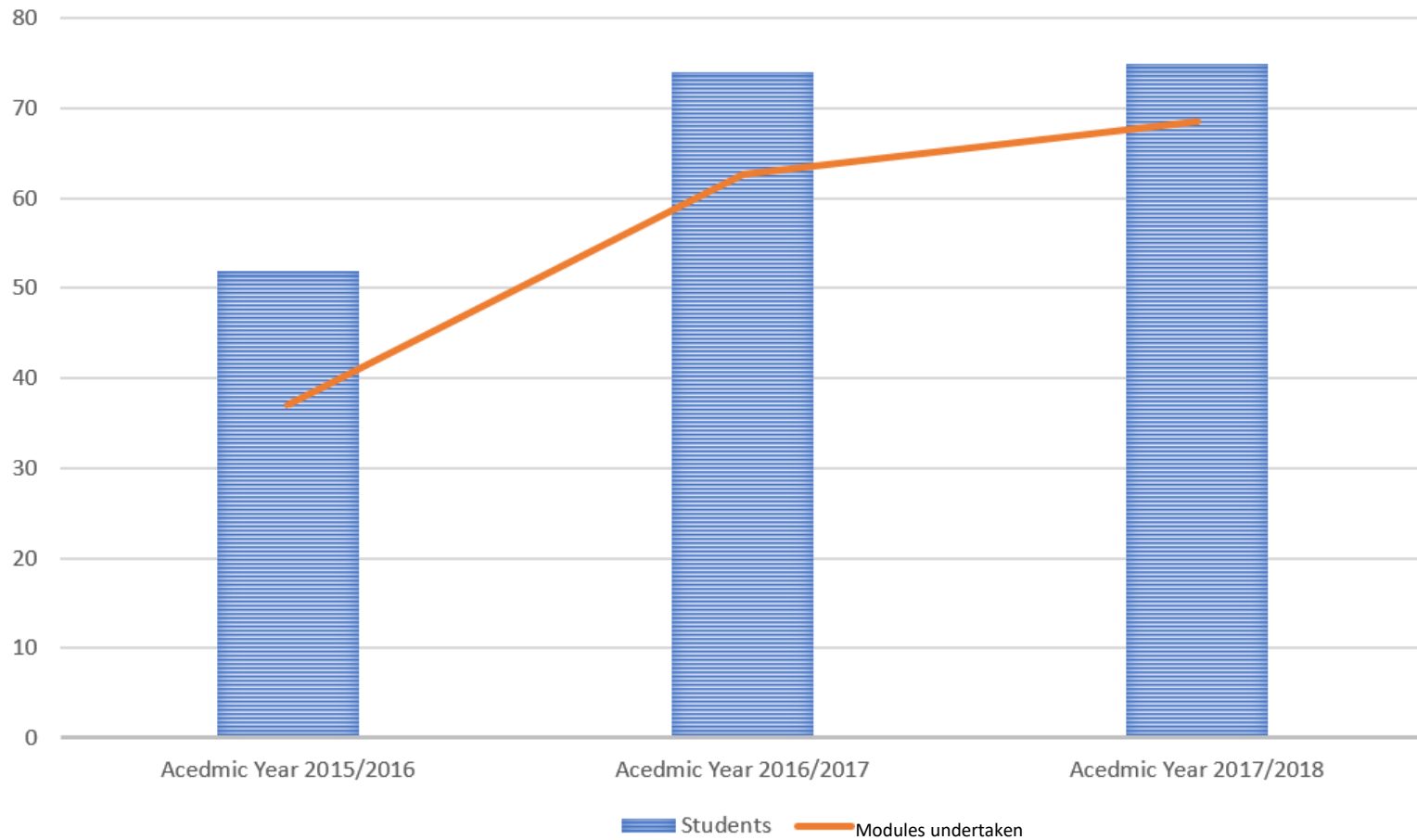


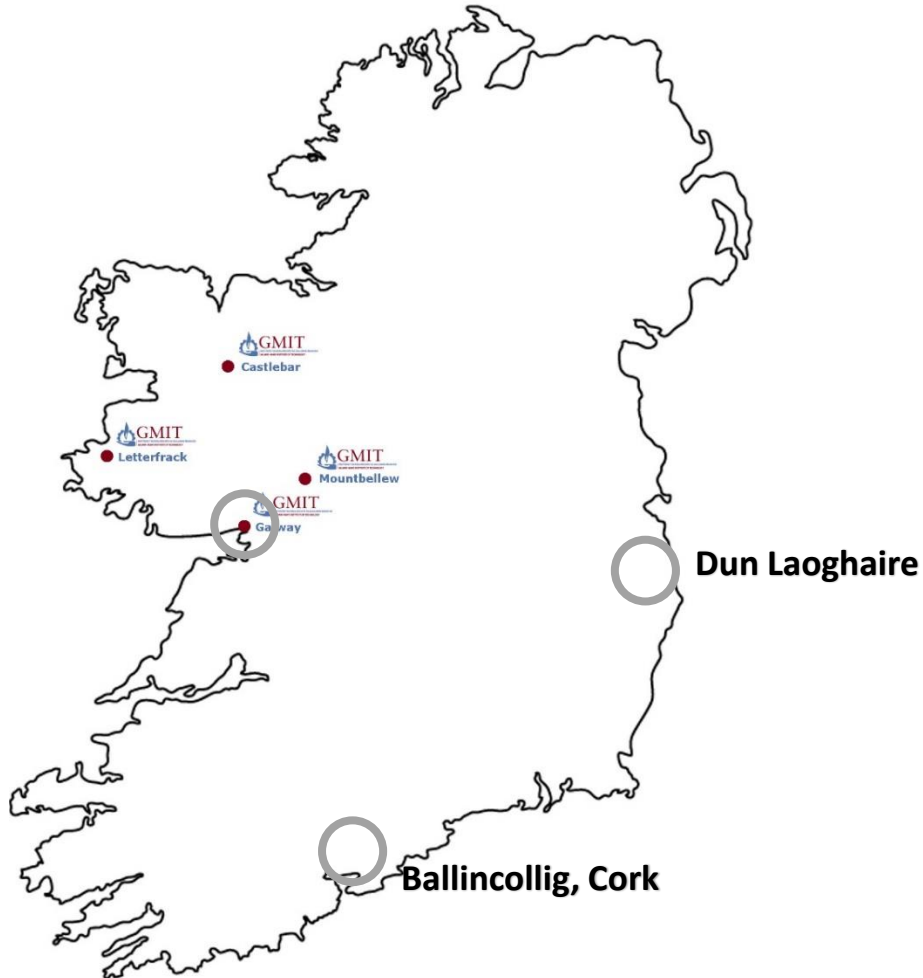
Mark Costello

*HDip Eng BIM, Dip Eng
Cert Cons BIM
AP/TIM/PIM MIEI CITA
BRE Academy (Fellow)
BuildingSMART*



STUDENT NUMBERS





- Department of Building & Civil have delivered the Higher Diploma in Engineering in BIM in Cork and Dublin over the last three years
- Over 70 people to date have been registered on this out reach programme
- 2 lecturers are delivering the course in Ballincollig and Dun Laoghaire this summer to 19 students




**Business Collaboration Award – Irish
Education Awards 2017**



**Excellence in Education and Training Award
– Irish Construction Industry Awards 2017**

	Award	Short Listed
CITA BIM Gathering conference	Best Academic Paper	
2017 Irish Construction Industry Awards	Excellence in Education and Training	
2017 Irish Education Awards	Business Collaboration	Best Educational Outreach
2018 Human Resource Leadership and Management Awards	Excellence in Education and Training	
National Forum for the Enhancement of Teaching and Learning in Higher Education	Pending March	Disciplinary Excellence in Learning, Teaching and Assessment (DELTA)
Irish Construction Excellence Awards 2018	Pending March	Third-Level – Postgraduate, Special Purpose or Distance Learning
Irish Education Awards 2018	Pending April	Best Business and Third-Level Institution Collaboration and Best Educational Outreach





Attention of: Gerard Nicholson
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20th February 2017

Dear Gerard,

I refer to your recent tender with a closing date of 16th January 2017 in respect of the direct invitation for provision of training services to Cita Skillnet.

The tender evaluation process has now been completed and I am pleased to inform you that you have been awarded a contract for the following courses to be delivered in Galway (subject to the conditions of acceptance noted below):

• BIM Collaboration Module within hdiip in BIM	• Virtual Modelling Fundamentals Module within hdiip in BIM
• BIM Research Project Module within hdiip in BIM	• Infrastructure Module within hdiip in BIM
• MEP Module within hdiip in BIM	• Architectural Module within hdiip in BIM

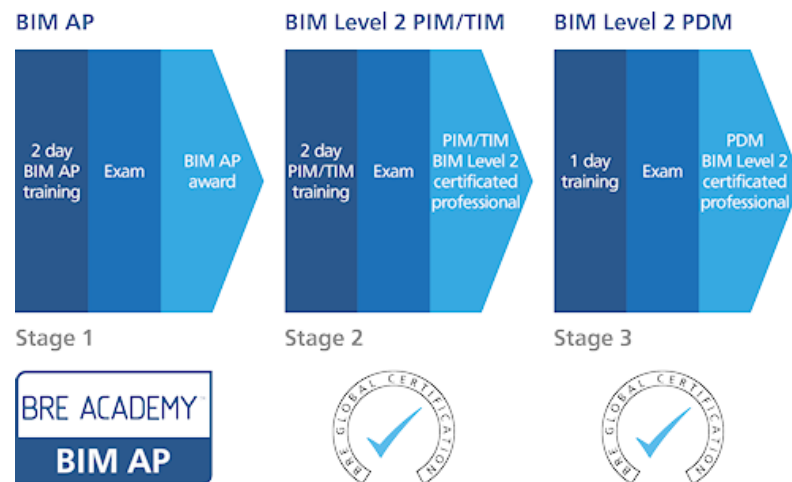
Tender submission to CITA for the provision of training services for Cita Skillnet Network; this was awarded and students on the H-Dip in BIM can now avail of a 20% saving on their fee.



- Dedicated room for the higher diploma
- Used funds from the programme
- More investment coming



- Using BIM AG content in BIM Collaboration Module
- BIM Project is using online methods through Moodle
- All other modules are using Moodle



*PIM / TIM / PDM 'examination only' route available to experienced practitioners





Thank You !

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