FINAL PROGRAM



6 – 8 September 2017

Institiúid Teicneolaíochta Cheatharlach



At the Heart of South Leinster

Institute of Technology Carlow, Ireland Organized and Sponsored by













PROGRAMME AT A GLANCE

September 6

08.30-15.00 Registration

09.00-09.15 Welcome

09.15-10.00 Keynote

10.00-10.30 Coffee Break

10.30-12.30 Session

12.30-13.30 Lunch

13.30-14.30 Session

14.30-15.00 Coffee Break

15.00-17.00 Session

19.00 Social Programme - live music session at a well-known Irish music local bar.

September 7

09.00-15.00 Registration

09.00-10.00 Session

10.00-10.30 Coffee Break

10.30-12.30 Session

12.30-13.30 Lunch

13.30-14.30 Keynote

14.30-15.00 Coffee Break

15.00-17.30 Tutorial

17-30-20.00 Social Programme - Games Galore

20.30-23.00 Conference Dinner

September 8

09.00-09.30 Registration

09.00-10.00 Keynote

10.00-10.30 Coffee Break

10.30-12.00 Round Table Discussion

12.00-12.15 Closing Session

GAME-ON'2017 FINAL PROGRAMME

Overhead and LCD Projector are standard

The underlined authors are usually the presenters.

Conference Site: Room K104 in the Dargan Centre, <u>Institute of Technology Carlow</u>, Kilkenny Rd, Moanacurragh, Carlow

For any local information contact Joseph Kehoe: Tel. +353 59 917 5000, Email: Joseph.Kehoe@itcarlow.ie,

Coffee breaks and lunches at the Central Services Building - 1st Floor

Only papers in gray boxes are eligible for the best paper award

Wednesday, September 6, 2017

08.30 - 15.00 **Registration**

09.00 - 09.15 **ROOM K104 - DARGAN CENTRE - WELCOME**

Welcome Address

College President Dr. Patricia Mulcahy

09.15 - 10.00 ROOM K104 - DARGAN CENTRE - SESSION I KEYNOTE SPEAKER

09.15-10.00 Session Chairperson:

Joseph Kehoe, Institute of Technology Carlow, Carlow, Ireland

GAME_KEY_03
Making a Commercial Augmented Reality Game: Lessons Learned
Demid Tishin, Fun Bakers Studio



Wednesday, September 6, 2017

10.00 - 10.30	Coffee Break
10.30 - 12.30	ROOM K104 – DARGAN CENTRE - SESSION II GAME DESIGN METHODOLOGY
10.30-12.30	Session Chairperson: Joseph Kehoe, Institute of Technology Carlow, Carlow, Ireland GAME_ONL_1 Communication verses Computation: A Survey of Cloud Gaming Approaches Robert J. Grigg and René Hexel
12.30 - 13.30	Lunch
13.30 - 14.30	ROOM K104 – DARGAN CENTRE - SESSION III GAME DESIGN AND GAMIFICATION

Wednesday, September 6, 2017

13.30-14.30	Session Chairperson: Daire O'Broin, Institute of Technology Carlow, Carlow, Ireland		
	GAME_METH_DES_06 To Gamify or not to Gamify? Analyzing the Effect of Game Elements to foster Progression and Social Connectedness		
	Md Sanaul Haque, Daire O'Broin and Joseph Kehoe43		
	GAME_METH_DES_07 The Formation of Studying Habits in Third Level Students through the Use of Gamification Gavin Clarke, Joseph Kehoe and Daire O'Broin51		
14.30 - 15.00	Coffee Break		
15.00 - 17.00	ROOM K104 – DARGAN CENTRE - Session IV GAME AI		
15.00-17.00	Session Chairperson:		
15.00-17.00	Oisin Cawley, Institute of Technology Carlow, Carlow, Ireland		
	GAME_TOOLS_AI_01		
	HAIFU (Hybrid Artificial Intelligence for UNITY)		
	Juan Luis Berenguel Forte and José Antonio Piedra Fernández 57		
	GAME_METH_AI_03		
	An Evaluation of Fast Multi-Layer Perceptron Training Techniques		
	for Games		
	David G. Robertson62		
	GAME_AI_05		
	Procedural Play Generation According to Play Arcs Using Monte-		
	CarloTree Search Suguru Ito, Makoto Ishihara, Marco Tamassia, Tomohiro Harada,		
	Ruck Thawonmas and Fabio Zambetta 67		
19.00 -	SOCIAL PROGRAMME – Live Music Session at a well-known Irish Music local bar		

Thursday, September 7, 2017

09.00 - 15.00	Registration
09.00 - 10.00	ROOM K104 - DARGAN CENTRE - SESSION V SERIOUS GAMING
09.00-10.00	Session Chairperson: Sanaul Haque, Institute of Technology Carlow, Carlow, Ireland GAME_SER_01 Global Strategy Game: A Serious Game for Teaching International Business Martin Prause and Juergen Weigand
10.00 - 10.30	Coffee Break
10.30 - 12.30	ROOM K104 – DARGAN CENTRE - SESSION VI GAME VR AND GAME CHARACTERS
10.30-12.30	Session Chairperson: Joseph Kehoe, Institute of Technology Carlow, Carlow, Ireland GAME_VR_01 Interactive Educational Contents Development Framework and its Extension for Web Based VR/AR Applications Yoshihiro Okada, Kosuke Kaneko and Ari Tanizawa

Thursday, September 7, 2017

GAME_VR_06	
An Experiment Design: Investigating VR Locomotion & Virtual Ob-	
ject Interaction Mechanics	
Daniel P. O. Wiedemann, Peter Passmore and Magnus Moar80	
GAME_OP_CHAR_01	
Believability Assessment for Fighting Game Al	
Mola Bogdan Georgyy, Maxim Mozgovoy, Toru Ito	
and Tatsuhiro Rikimaru87	
GAME_AFF_CHAR_02	
Affect and Believability in Game Characters – A review of the Use of	
Affective Computing in Games	
Salma Hamdy and David King90	

12.30 - 13.30 Lunch

13.30 - 14.30 ROOM K104 - DARGAN CENTRE - SESSION VII KEYNOTE

13.30-14.30

Session Chairperson:

Joseph Kehoe, Institute of Technology Carlow, Carlow, Ireland



GAME_KEY_02

<u>A Lifetime in Games: The Past, Present and Future of the Industry</u>
John Romero

14.30 - 15.00 **Coffee Break**

Thursday, September 7, 2017

15.00 - 17.30

ROOM K104 - DARGAN CENTRE - SESSION VII TUTORIAL

15.00-17.30

Session Chairperson:
Daire O'Broin, Institute of Technology Carlow, Carlow, Ireland



GAME_TUT_01
Role Play Game Design Workshop
Brenda Romero

17-30-20.00

Social Programme – GAMES GALORE

CONFERENCE DINNER

20.30-23.00



The Conference dinner will be held on Thursday the 7th of September at the Woodford Dolmen Hotel

Kilkenny Road Carlow, Ireland

Tel: +353 59 914 2002

Friday, September 8, 2017

09.00 - 09.30 **Registration**

09.00 - 10.00 **ROOM K104 - DARGAN CENTRE - SESSION X**

KEYNOTE

09.00-10.00 Session Chairperson:

Joseph Kehoe, Institute of Technology Carlow, Carlow, Ireland



10.00 - 10.30 **Coffee Break**

10.30 - 12.00 ROOM K104 - DARGAN CENTRE - SESSION XI ROUND TABLE DISCUSSION

10.30-12.00 Session Chairperson:

Joseph Kehoe, Institute of Technology Carlow, Carlow, Ireland

Between Theory and Practice: Improving Interaction between

Academia and the Games Industry

Friday, September 8, 2017

12.00 - 12.15 ROOM K104 - DARGAN CENTRE - SESSION XII CLOSING SESSION AND BEST PAPER AWARD

12.00-12.15 Session Chairperson:

Joseph Kehoe, Institute of Technology Carlow, Carlow, Ireland Philippe Geril, EUROSIS-ETI, Ostend, Belgium

SOCIAL PROGRAMME INFORMATION

Lunches and Coffee breaks



Coffee breaks and lunches will be served at the Central Services Building - 1st Floor Institute of Technology Carlow Kilkenny Rd, Moanacurragh, Carlow, Ireland

Conference Dinner on the 7th of September



The Conference dinner will be held on Thursday the 7th of September at the Woodford Dolmen Hotel

Kilkenny Road Carlow, Ireland

Tel: +353 59 914 2002

SESSION CHAIR INFORMATION

Information for Session Chairs

Session Chairs are chosen on a voluntary basis by proposals by either authors or local committee members or are appointed by the Track Chairs, General Program Chair or General Conference Chair. They are responsible for their assigned session. They make sure their speakers are available, take care of the timing within the session, chair the discussion after each presentation and introduce each speaker based on the CV's given to them by the authors. In case they chair a session featuring **extended papers**, then they are required to distribute and collect the reviews of that or those papers at the beginning and end of the session. If they have time they should also indicate in their papers the number of session participants.





SEE YOU ALL NEXT YEAR AT GAMEON 2018, September 18-20, 2018, <u>Abertay University</u>, Dundee, Scotland, United Kingdom

Proposals for special tracks/tutorials/demos can be sent in by January 30th 2018

CONFERENCE LOCATION

Conference Venue

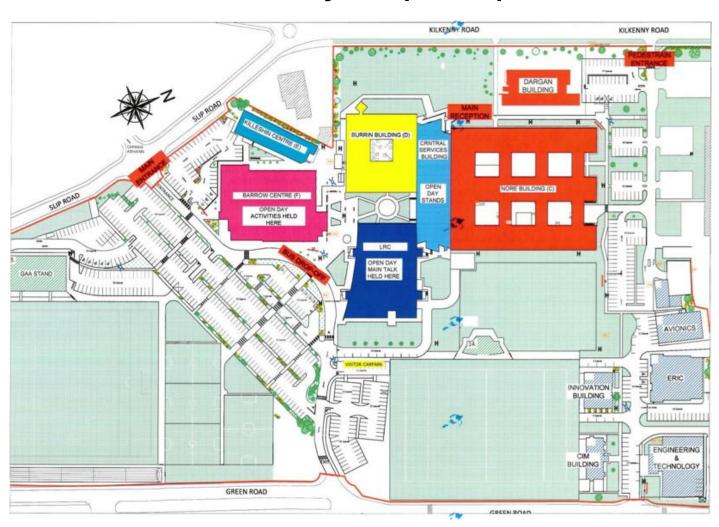


Room K104 in the Dargan Centre Institute of Technology Carlow Kilkenny Rd, Moanacurragh, Carlow, Ireland

Tel: +353 59 917 5000

Joseph.Kehoe@itcarlow.ie

University Campus Map



CONFERENCE LOCATION

Carlow City Map



How to Reach Carlow

By Plane

When arriving in Ireland by plane, it can either be at <u>Dublin</u>, <u>Shannon</u>, <u>Galway Airport</u> or <u>Cork Airport</u>. Dublin Airport is the most convenient of them all.

Bus from Airport : Several companies have bus services departing from the airport

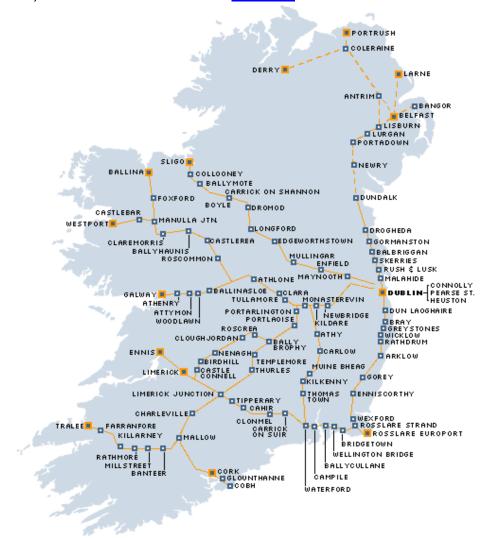
By Sea

A variety of ferry services (<u>Stena Line</u> and <u>Irish Ferries</u>) are available from Britain and continental Europe to Ireland. Ports in Ireland include Dublin Port, Dún Laoghaire Harbour and Rosslare Harbour.

CONFERENCE LOCATION

By Rail

When you have arrived in Dublin and you wish to take the train then go to Heuston station from where all Carlow trains depart. There are direct links between Carlow and Dublin, Waterford. The single journey between Carlow and Dublin takes approx. 1 hour. <u>Carlow railway station</u> is approx. 35 minutes (on foot) from the Institute. See the <u>Irish Rail</u> site for details.



By Coach and Bus: National coach services

The National coach services linking Dublin Airport with Carlow Station are the commercial <u>JJ Kavenagh</u> and the public run <u>Bus Eireann</u> service.

By Taxi

These are the companies operating in Carlow:

Carlow Cabs: 12+ 353 59 9140000

Ace: 10+353 59 9133366

Fast Cabs: 10+ 353 9143088 +353 86 8038553

EUROSIS Forthcoming Conferences



ESM'2017, 25-27 October 2017, IST Campus, Lisbon, Portugal.



MESM'2017-GAMEON-ARABIA'2017, 20-22 November 2017, Dubai



FOODSIM'2018, April 8-12, 2018, Catholic University Louvain, Ghent, Belgium

EUROSIS Forthcoming Conferences



Scifi-It'2018, April 18-20, 2018, Bruges, Belgium



ISC'2018, June 6-8, 2018, <u>University of Azores</u>, Ponta Delgada, Portugal

NASTEC'2018, GAMEON-NA'2018, August 2018, UQAM, Montreal, Canada

GAMEON'2018, September 18-20, Abertay University, Dundee, Scotland, United Kingdom

eurosis

EUROSIS was borne out of discussions with the European Community to set up a new kind of Society, which would be project driven instead of driven by pure membership and conferences.

The aim of the new Society is to set up topic related Technical Committees which link directly to European Projects in the field of computer simulation and related areas and to act as a knowledge pool for future European Networks of Excellence, like MOSAIC.

If you would like to receive more information about EUROSIS, please contact

Philippe Geril
EUROSIS-ETI
European Simulation Office
Greenbridge Science Park
Ghent University – Ostend Campus
Wetenschapspark 1
Plassendale 1
B- 8400 Ostend
Belgium

Tel: +32.59.255.330 Fax: +32.59.255.339

Email: Philippe.Geril@eurosis.org

	nfo on EUROSIS:		
Address:		 	
Telephone:		 	
Fax:		 	
Email:		 	

GAME-ON'2017 Registration Form

Please legibly print or type and fill out completely. (Check appropriate boxes where necessary)

FIRST NAME	LAST NAME	M.I.	
COMPANY OR AFFILIATION	1	1	
Mailing address (tick one): [] HOME [] BUSINESS			
STREET			
CITY			
ZIPCODE	COUNTRY		
TELEPHONE	FAX		
E-MAIL			
DATE	SIGNATURE		
1. [] EUROSIS member € 565 Membe	er Number:		€
2. [] Members of Sponsor or Affiliate	Society € 565		€
3. [] Non-Member Participant € 610			€
4. [] Students, who are not authors be PARTICIPANTS pay: € 450	out who wish to attend the confere	ence, or ONE DAY	€
(Above registration fees include, one corefreshments, coffees and social progracion participate in the conference directions.)	am,) One Day Participants and No		
5. [] Conference Dinner Ticket for Co	ompanion € 50 [] Lunch Ticket fo	r Companion € 15/day	€
6. [] Extra Conference Proceedings	€ 40 Cash and Carry		€
VAT Number if applicable:			
TOTAL AMOUNT DUE			€
			€
TOTAL AMOUNT REMITTED			€
Pay by CREDIT CARD and fill	in the information below:		
Charge my (tick one): []Visa [] Euro/Mastercard [] American Ex	rpress	
CARD NO:::	:::	_ EXP.DATE: / _	
Authorizing Signature:			
Print Signature in CAPITALS			