FINAL PROGRAM



18 – 20 September 2018



Dundee, Scotland United Kingdom Organized and Sponsored by













PROGRAMME AT A GLANCE

September 18

08.30-15.00 Registration 09.00-09.15 Welcome 09.15-10.00 Keynote Alan Hinchcliffe 10.00-10.30 Coffee Break 10.30-12.00 Session: Procedural Game Generation and Mechanics 12.00-13.30 Lunch 13.30-14.30 Session: Game Al 14.30-15.00 Coffee Break 15.00-16.00 Session: Playing Styles 16.00-17.00 Invited Talk: Joseph Delappe 19.00 Social Programme – Dinner at the DCA (Dundee Contemporary Arts) centre-(not included in the conference fee, on a voluntary basis only).

September 19

09.00-15.00 Registration 09.00-10.00 Keynote Mike Cook 10.00-10.30 Coffee Break 10.30-12.30 Session: Game Development Methodology and Mobile Gaming 12.30-13.30 Lunch 13.30-14.30 Session: Serious Gaming I 14.30-15.00 Coffee Break 15.00-16.00 Session: Serious Gaming II 16-30-18.00 VR Workshop 20.00-23.00 Conference Visit and Dinner

September 20

09.00-09.30 Registration 09.00-10.00 Session: Augmented Play 10.00-10.30 Coffee Break 10.30-12.00 Online Gaming 12.00-12.15 Closing Session

GAME-ON'2018 FINAL PROGRAMME

Overhead and LCD Projector are standard The underlined authors are usually the presenters. Conference Site: the Hannah MacLure Centre on the 3rd floor of the Student Centre Building at Abertay University, Bell Street, DD1 1HG Dundee, Scotland, United Kingdom For any local information contact David King: Tel. +44 01382 308297, Email: <u>d.king@abertay.ac.uk</u>, Coffee breaks at the Hannah MacLure centre (3rd floor Student Centre) and lunches at the

offee breaks at the Hannah MacLure centre (3rd floor Student Centre) and lunches at the Bar One, 2nd floor of the Student Centre

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

Tuesday, September 18, 2018

- 08.30 15.00 **Registration**
- 09.00 09.15 Hannah MacLure centre- WELCOME

Welcome Address University Principal Prof. Nigel Seaton

09.15 - 10.00 Hannah MacLure centre - SESSION I KEYNOTE SPEAKER

09.15-10.00 Session Chairperson: David King, Abertay University, Dundee, United Kingdom



GAME_KEY_03 Bringing Expressive Virtual Characters to Life Allan Hinchcliffe, Lead Engineer, Character Engine London, United Kingdom

Tuesday, September 18, 2018

10.00 - 10.30 Coffee Break in the Hannah MacLure centre

10.30 - 12.00 Hannah MacLure centre - SESSION II PROCEDURAL GAME GENERATION AND MECHANICS

10.30-12.00	Session Chairperson: David King, Abertay University, Dundee, United Kingdom		
	GAME_DEV_METH_06 Computational Creativity and Game Design: Towards Procedural Game Generation Jorge Ruiz Quiñónes and <u>Antonio J. Fernández-Leiva</u>		
	GAME_DEV_METH_07 Fast Configurable Tile-based Dungeon Level Generator Ondřej Nepožitek and Jakub Gemrot61		
	GAME_ANIM_01 Creating Gameplay Mechanics with deformable Characters Grant Clarke		
12.00 - 13.30	Lunch in Bar One, 2nd floor of the Student Centre		
13.30 - 14.30	Hannah MacLure centre - SESSION III GAME AI		
13.30-14.30	Session Chairperson: Grant Clarke, Abertay University, Dundee, United Kingdom		
	GAME_AI_02 Monte Carlo Tree Search for Quoridor Victor Massagué Respall, <u>Joseph Alexander Brown</u> and <u>Hamna Aslam</u>		
	GAME_AI_03 Monte Carlo Tree Search for Love Letter Tamirlan Omarov, <u>Hamna Aslam, Joseph Alexander Brown</u> and <u>Elizabeth Reading</u> 10		

Tuesday, September 18, 2018

14.30 - 15.00	Coffee Break in the Hannah MacLure centre
15.00 - 16.00	Hannah MacLure centre - SESSION IV PLAYING STYLES
15.00-16.00	Session Chairperson: Grant Clarke, Abertay University, Dundee, United Kingdom
	GAME_OPP_01 – VIDEO PRESENTATIONS Dynamically Extracting Play Style in Educational Games Reza Khoshkangini, Annapaola Marconi, Santiago Ontañón and Jichen Zhu
	GAME_OPP_02 Playing Styles in Starcraft Yaser Norouzzadeh Ravari, Sander Bakkes and Pieter Spronck47
16.00 - 17.00	Hannah MacLure centre - SESSION V INVITED SPEAKER
16.00-17.00	Session Chairperson: Grant Clarke, Abertay University, Dundee, United Kingdom
	GAME_INV_01 Head Shot! Playing Politics in Computer Games

Joseph DeLappe, Professor of Games and Tactical Media Division of Games and Art , Abertay University, Dundee, Scotland, United Kingdom

Tuesday, September 18, 2018

17.00 - 18.00 Kydd Building POST GRAD STUDENT EXHIBITION

17.00-18.00



At the Centre for Excellence in Games Education 2nd floor of the Kydd Building room 2523

19.00 -

FREE EVENING OR JOIN US FOR AN INFORMAL DINNER ON A VOLUNTARY BASIS (NOT INCLUDED IN THE CONFERENCE FEE) AT THE



DCA (Dundee Contemporary Arts) centre
152 Nethergate, DD1 4DY Dundee
Tel: +44. (0)1382 432 444
Tel Jute Café Bar: +44.(0)1382 909 246

Wednesday, September 19, 2018

09.00 - 15.00	Registration
09.00 - 10.00	Hannah MacLure centre - SESSION VI KEYNOTE
09.00-10.00	Session Chairperson: David King, Abertay University, Dundee, United Kingdom
	GAME_KEY_01



GAME_KEY_01 <u>Watch This Possibility Space: The Future of Creative AI in Games</u> <u>Mike Cook</u>, Senior Research Fellow University of Falmouth, Falmouth, United Kingdom and researcher/developer at <u>Games by Angelina</u>

10.00 - 10.30 Coffee Break in the Hannah MacLure centre

10.30 - 12.30 Hannah MacLure centre - SESSION VII GAME DEVELOPMENT METHODOLOGY AND MOBILE GAMING

10.30-12.30 Session Chairperson: Chris Acornley, Abertay University, Dundee, United Kingdom

> GAME_DEV_METH_02 Player Age and Affordance Theory in Game Design Hamna Aslam, Joseph Alexander Brown and Elizabeth Reading27

Wednesday, September 19, 2018

	GAME_DEV_METH_04 Role and Experiences of Tutorial in Location Based Game Kaïsa Könnöla, Tuomas Ranti, Tapani N. Joelsson and Tuomas Mäkilä GAME_DEV_METH_01 Quality Assurance in a Mobile Game Project: A Case Study Maxim Mozgovoy 96
12.30 - 13.30	Lunch in Bar One, 2nd floor of the Student Centre
13.30 - 14.30	Hannah MacLure centre - SESSION VIII SERIOUS GAMING I
13.30-14.30	Session Chairperson: Karen Meyer, Abertay University, Dundee, United Kingdom GAME_SER_02 Motivational Game Design and Pro-Environmental Elements in Sustainability Applications Kaïsa Könnöla, Tuomas Mäkilä, Kaapo Seppälä and Teijo Lehtonen
14.30 - 15.00	Coffee Break in the Hannah MacLure centre
15.00 - 16.00	Hannah MacLure centre - SESSION IX SERIOUS GAMING II
15.00-16.00	Session Chairperson: Karen Meyer, Abertay University, Dundee, United Kingdom

Wednesday, September 19, 2018

GAME_DEV_METH_03 Designing Gamification for Constructive Competition
Mark Featherstone
GAME_SER_05
Developing a Gamified Platform to Involve Unemployed Youth in
Job-Seeking Activities
<u>Juho Mattila,</u> Eeva Leinonen, IIkka Hietaniemi, Aryan Firouzian
and Petri Pulli144

16.00 - 18.00 LOCATION TBC - SESSION X VR WORKSHOP

16.00-18.00 Session Chairperson: Grant Clarke, Abertay University, Dundee, United Kingdom

The idea behind the VR workshop is to have on open discussion around the locomotion problem in VR games. The workshop will be broken into 2 stages:

Stage 1: Split the delegates into groups and experiment with a varied collection of VR games that take different solutions to allow the player to move around a virtual space. The idea is to have a number of VR stations where everyone can sample more than one title. The titles themselves will be a collection of demos built by Abertay staff and students along with some external titles.

Stage 2: Each group would then have a round table discussion and present their findings to the other teams. The idea here is to collect common points raised by each group that may form a useful set of guidelines when tackling this problem.

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Wednesday, September 19, 2018

CONFERENCE DINNER

19.00-23.00



The Conference dinner will be held on Wednesday the 19th of September at Discovery Point Discovery Quay DD1 4XA Dundee Scotland, United Kingdom

Tel: +44 (0)1382 309060
Email: <u>admin@dundeeheritage.co.uk</u>-

09.00 - 09.30	Registration
09.00 - 10.00	Hannah MacLure centre – SESSION XI AUGMENTED PLAY
09.00-10.00	Session Chairperson: David King, Abertay University, Dundee, United Kingdom GAME_AUG_01 Beyond Pokemon Go Advances in Augmented Reality for Games Ken Newman, Tina Gates and Bilal Ahmed
10.00 - 10.30	Coffee Break in the Hannah MacLure centre
10.30 - 12.00	Hannah MacLure centre – SESSION XII ONLINE GAMING
10.30-12.00	Session Chairperson: David King, Abertay University, Dundee, United Kingdom GAME_ONL_01 Trade-offs and Challenges of Cloud Gaming in Practice
	Robert J. Grigg and René Hexel

Thursday, September 20, 2018

12.00 - 12.	.15 Hannah	MacLure centre – SESSION XIII
	CL	OSING SESSION AND BEST PAPER AWARD

12.00-12.15 Session Chairperson: David King, Abertay University, Dundee, United Kingdom Philippe Geril, EUROSIS-ETI, Ostend, Belgium

SOCIAL PROGRAMME INFORMATION



Lunches and Coffee breaks

Coffee breaks will be served in the Hannah MacLure centre, which is on the 3rd floor of the Student Centre Building and lunches will be served in Bar One, on the 2nd floor of the Student Centre Building. <u>Abertay University</u> Bell Street DD1 1HG Dundee Scotland, United Kingdom

PTel: +44 (0)1382 308 000

Conference Dinner on the 19th of September



The Conference dinner will be held on Wednesday the 19th of September at Discovery Point Discovery Quay DD1 4XA Dundee Scotland, United Kingdom

Tel: +44 (0)1382 309060Email: admin@dundeeheritage.co.uk-

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 2019, September 18-20, 2019, <u>NHTV Breda</u> <u>University of Applied Sciences</u>, Breda, The Netherlands

Proposals for special tracks/tutorials/demos can be sent in by January 30th 2019

CONFERENCE LOCATION

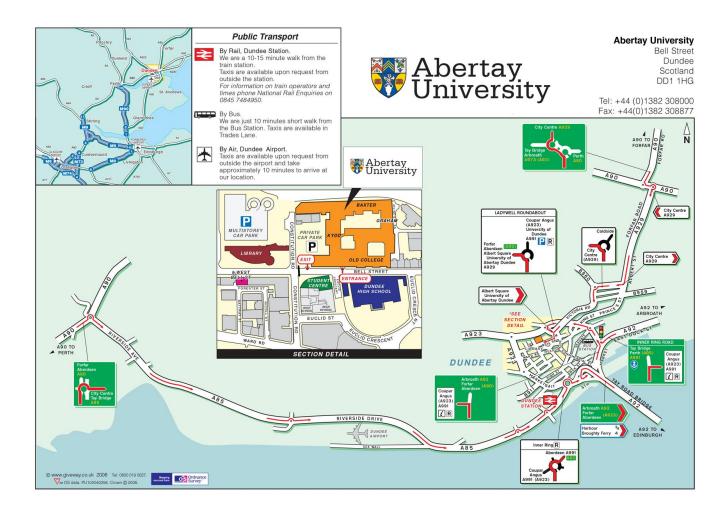
Conference Venue



Abertay University

Hannah MacLure centre, 3rd floor of the Student Centre Building (directly opposite the university main entrance).
Bell Street
DD1 1HG Dundee
Scotland, United Kingdom
Tel. +44 01382 308297
✓ Email: d.king@abertay.ac.uk

Dundee City/University Campus Map



CONFERENCE LOCATION

How to Reach Dundee

By Plane

Dundee Airport, located in the heart of Scotland, is the most convenient fly-in destination for some 1000 square miles of central Scotland and operates 2 flights on week days to and from London Stansted (Loganair).

Taxis are available upon request from outside <u>Dundee Airport</u> and should take approximately ten minutes to arrive at the University.

Alternatively fly in through <u>Edinburgh Airport</u> and take a train from <u>Edinburgh Waverley sta-</u> tion to Dundee.

By Rail (Dundee Station)

We are just ten minutes' short walk from the train station. Taxis are available outside its main entrance. Journey information is available from <u>National Rail Enquiries</u>. Tickets can be bought directly from <u>East Coast</u> and <u>Virgin Rail</u>.

By Coach and Bus: National coach services

We are just ten minutes' short walk from the bus station. Taxis are available in Trades Lane. (National Express Coaches, Megabus and Citylink).

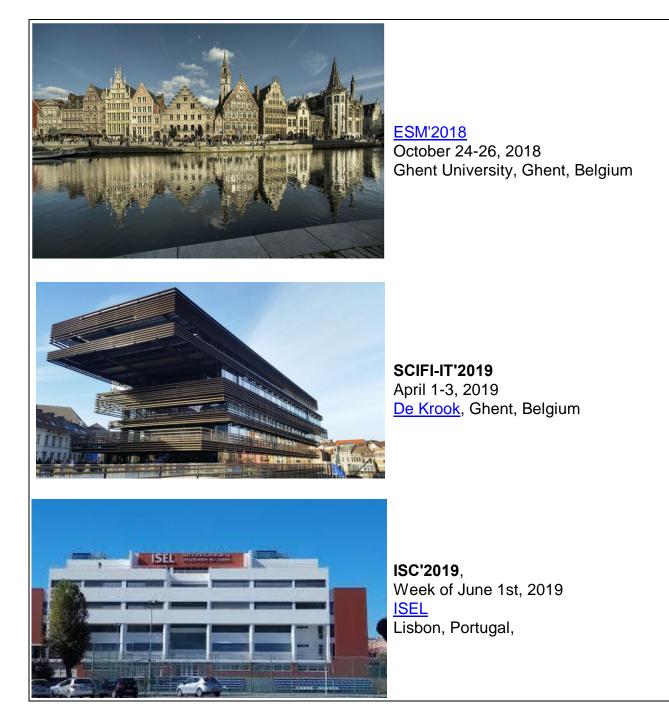
By Car

Driving directions can also be generated from <u>Google Maps</u>. There are a number of <u>public car parks</u> available around Abertay University.

Useful Links

- Dundee Weather Forecast
- Visit Dundee
- Dundee Travel
- Visit Scotland- Dundee

EUROSIS Forthcoming Conferences



NASTEC'2019, GAMEON-NA'2019, Canada

GAMEON'2019, September 18-20, NHTV Breda University of Applied Sciences, Breda, The Netherlands

ESM'2019, October 2019, Palma de Mallorca, Spain (TBC)

FOODSIM'2020, April 6-9, 2020, University of Leuven Research Centre, Ghent, Belgium

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

Please send me info on EUROSIS: lame:	
 \d- \ress:	
elephone:	
ax:	
mail:	

GAME-ON'2018 Registration Form

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

LAST NA	ME	M.I.	
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1. [] EUROSIS member € 565 Member Number:			€
2. [] Members of Sponsor or Affiliate Society $ m {\it {f e}}$ 565			€
3. [] Non-Member Participant € 610			€
4. [] Students, who are not authors but who wish to attend the conference, or ONE DAY PARTICIPANTS pay: \in 450			€
Companion	€ 90 [] Lunch Ticket for	Companion € 25/day	£
6. [] Extra Conference Proceedings $€$ 40 Cash and Carry			€
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