



Horizon 2020  
European Union funding  
for Research & Innovation








# Open Internet of Things Summer School
















24-28 September 2018, Galway City, Ireland










In collaboration with:

## PROGRAM



2018	Monday 24/09	Tuesday 25/09	Wednesday 26/09	Thursday 27/09	Friday 28/09	Saturday 29/09	Sunday 30/09
Day Theme	Devices and Applications	Platforms and Architectures	Services and Middleware's	XaaS and Applications	OASC Ireland	Meet-up	Sighting
Location/Time	Conference Room	Conference Room	Conference Room	Conference Room	Conference Room	Conference Room	N/A
10:00-10:30	Morning Coffee	Morning Coffee	Morning Coffee	Morning Coffee	Morning Coffee	Morning Coffee	Morning Coffee
10.30-11.30	Traveling Time and Registration	<p>#Data Storage and IoT Platforms Session 1</p> <p>#Keynote Talk 1</p> <p>Mobile Crowd Sensing (MCS): A first step towards building collective intelligence</p> <p>Prof. Yacine Ghamri-Doudane</p>  <p>Director of Laboratory of Informatics, Image and Interaction (L3i) University of La Rochelle (ULR) France</p> <p>(Free Access)</p>	<p>#Health Science and Behaviour Applications Session 1</p> <p>#Keynote Talk 2</p> <p>Digital Health: The Role of Behavioural Science</p> <p>MSc. Emma Carr IRC Scholar</p>  <p>NUIG Psychology mHealth Group Galway Ireland</p> <p>(Free Access)</p>	<p>#Artificial Intelligence and Robotics Session 1</p> <p>#Keynote Talk 3</p> <p>Fintech, Past, Present and Future</p> <p>Richard Walsh (TBC)</p>  <p>Banking and Payments Federation of Ireland (BPFI) Dublin Ireland</p> <p>(Free Access)</p>	 <p>4<sup>th</sup> Annual Expo &amp; Workshop (By Invitation Only)</p> <p><b>Defining #Quadruple Helix</b></p> <p>Welcome Message (11:00 Hrs)</p> <p>Opening Message – Niall O Brocháin (Insight) – Chairperson</p> <p><b>Evolving #GalwayConnect edHub</b></p> <p>Smart City vision – Niall McNelis –</p>  <p>Mayor of Galway City</p>	<p>Artificial Intelligence and Robotics Session 1</p> <p>One Cup of Tea with Science and Future</p> <p>Brendan Smith and Martin Serrano NUIG-Insight</p>  <p>(Free Access)</p>	Tour to the Cliffs of Möher or a Medieval Castle – Full Day (Subject to Num. of participants)

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11:30-13:00	Traveling Time and Registration	<p>#Data Storage and IoT Platforms Session 2</p> <p>Device Data Collection and Global Data Integration Dr. Aqeel H.Kazmi</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>OpenIoTaaS Tuan Tran Nhat</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>(Free Access)</p>	<p>#Health Science and Behaviour Apps Session 2</p> <p>Active and Healthy Ageing Dr. Martin Serrano</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>ACTIVAGE Support Tools Hung Nguyen</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>(Free Access)</p>	<p>#Artificial Intelligence and Robotics Session 2</p> <p>Theory and practice for the use of Neural Networks in Querying Data MSc. Hoan N.Guyen</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>IoT Science: The Scientific Value Behind/Beyond the Hype Dr. Martin Serrano</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>(Free Access)</p>	<p>(By Invitation Only)</p> <p>Smarter Local Government <b>Theresa Donohue &amp; Alfie Jones</b> Galway City Council</p> <p>Smarter Community <b>Ann Irwin &amp; Terrence McDonough</b> Galway City Community Network</p> <p>Smarter Academia <b>Adegboyega Ojo &amp; Brendan Smith</b> Insight @NUI Galway</p> <p>Smarter Business <b>Brendan Holland &amp; Cormac McGuckian</b> Galway City Business Association</p>	<p>Retro-Games Session at Computer Museum of Ireland</p> <p>Atari, SEGA, Nintendo, XBOX, Wii</p> <p>Brendan Smith NUIG-Insight Outreach Advocacy and IT and Science Historian</p>  <p>(Free Access)</p>	Tour to the Cliffs of Möher or a Medieval Castle – Full Day (subject to Num. of participants)
13.00-14.00	Lunch Insight Centre	Lunch Westwood Restaurant	Lunch Westwood Restaurant	Lunch Westwood Restaurant	Lunch Insight Centre	Room Main	Room Main
14:00-15:30	<p>Welcome Message and Opening</p> <p>Prof. Mathieu D'Aquin.</p>  <p>NUI Galway Insight Director</p> <p>#IoT for Future Applications Dr. Martin Serrano</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>(Free Access)</p>	<p>#Analytics and Machine Learning Session 1</p> <p>Hyper-Connectivity and Bio-Inspired IoT Dr. Achille Zappa</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>Security and Privacy using Trust and Reputation Management MSc Basim Mahbooba</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>(Free Access)</p>	<p>#Architectures, Standards &amp; New Designs Session 1</p> <p>RDF4Led: An RDF engine for Lightweight Edge Devices MSc. Anh Le Tuan</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>Support Tools and Chat Bots Tuan Tran Nhat</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>(Free Access)</p>	<p>#Security and Data Protection Session 1</p> <p>FIESTA Data Protection Hung Nguyen</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>Software Design Best Practices Neil Rittner</p>  <p>NUIG-UIoT Intern Polytech Nantes France</p> <p>(Free Access)</p>	<p>(By Invitation Only)</p> <p>#LivingLab to #CitizensInnovation and #Co-Creation</p> <p>Smart Cities Transformation: A connected City <b>Martin Serrano</b> Insight @ NUI Galway</p> <p><b>OASC.org and GCTC Messages Sokowoo Ree</b> NIST USA and <b>Martin Brynskov</b> OASC</p> <p>Workshop: Round table discussions, road mapping for #GalwayConnecte dHub</p>	<p>Summer BBQ</p> <p>Food and Live Music</p> <p>This year we go Halal and Organic Veggies</p> <p>Location Insight BBQ Place CarPark</p> <p>(based on weather conditions)</p> <p>Otherwise social event in a Location TBD</p> <p>(Free Access)</p>	Tour to the Cliffs of Möher or a Medieval Castle – Full Day (Subject to Num. of participants)

15:30-16:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
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16:00-17:30	<p>#IoT Brainstorming Session</p> <p>Analytics Tools for Financial Sector Sanya Sharma</p>  <p>NUIG Economics Galway Ireland</p> <p>IoT-enabled Booking Room New Designs Neil Rittner</p>  <p>NUIG-UIoT Intern Polytech Nantes France (Free Access)</p>	<p>#Analytics and Machine Learning Session 2</p> <p>User-Centered Design in Health Technology: The Role of Psychology Prof. Jane Walsh</p>  <p>NUIG Psychology mHealth Group Galway Ireland</p> <p>Right Turn Prediction Systems Salomon Torres</p>  <p>NUIG-UIoT Intern University of Chile Chile (Free Access)</p>	<p>#Architectures, Standards &amp; New Designs Session 2</p> <p>Data Visualizations Salomon Torres</p>  <p>NUIG-UIoT Intern University of Chile Chile</p> <p>MODDIS System New Designs Alex Acquier</p>  <p>NUIG-UIoT Insight Galway Ireland (Free Access)</p>	<p>#Security and Data Protection Session 2</p> <p>IoT Data Marketplace MSc. Hoan N. Guyen</p>  <p>NUIG-UIoT Insight Galway Ireland</p> <p>Software Design Lessons Learnt Kris Gaffney</p>  <p>GMIT Galway Ireland (Free Access)</p>	<p>(By Invitation Only)</p> <p><b>#GalwayConnect edHub as part of #OASC.ie Strategy</b></p> <p>Towards a Smarter Healthier Ireland <b>Fiona Donovan</b> Healthy Ireland</p> <p>Reaching out to the Region <b>Clodagh Barry</b> Western Development Commission</p> <p><b>Closing</b> Take Overs and Future Activities</p> <p>CCMI - Tour <b>Brendan Smith</b> NUIG-Insight</p> 	<p>Outdoor Activities</p> <p>Soccer at Outdoor NUIG sport Fields</p> <p>Badminton</p> <p>Volleyball</p> <p>Subject to Num. of participants and Weather Conditions</p> <p>Free Refreshments will be provided to participants (Free Access)</p>	<p>Tour to the Cliffs of Möher or a Medieval Castle – Full Day (Subject to Num. of participants)</p>
18:30-Onwards	<p>** Galway City Tour</p> <p>Dinner all together (Optional)</p>	<p>*** Salthill City Tour</p> <p>Dinner all together (Optional)</p>	<p>Social Event Location TBD Usually an Irish Restaurant/PUB</p>	<p>**Galway City Tour</p> <p>Dinner all together (Optional)</p>	<p>Social Event FAWN Friday After Work Meeting at Westwood Hotel</p>	<p>** Galway Nightlife</p> <p>Dinner all together (Optional)</p>	<p>**** Sighting Tour</p>

\* Guided visit by groups to the Computer and Communications Museum of Ireland located at the Insight-centre NUIGalway

\*\* Guided visit by groups to Galway City

\*\*\* Guided visit by groups to Salthill

\*\*\*\* Sighting tour to cliffs of Möher or a Medieval Castle

IoT•Forum

IoT European Platforms Initiative

council

CREATE-IoT

[www.create-iot.eu](http://www.create-iot.eu)

BIG IoT

[www.big-iot.eu](http://www.big-iot.eu)

ACTIVAGE PROJECT

[www.activageproject.eu](http://www.activageproject.eu)

Horizon 2020 European Union Funding for Research & Innovation

OPENIoT

[www.openiot.eu](http://www.openiot.eu)

IERC European Research Cluster on the Internet of Things