

National University of Ireland- STEM Engagement Learning Raid April 12th 2016

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| 09:00 | Meet Salthill Hotel Lobby | Depart Salthill Hotel for NUIG Insight Centre | |
| 09:30-10:20 | Insight Centre | Brendan Smith, Education and Public Engagement Officer of the Insight Centre for Data Analytics NUI Galway. | Brendan will provide an overview of some of the exciting science and technology outreach initiatives that he has been involved with over the years including establishing Ireland's only computer and communications museum; co-founding one of the country's largest computer coding clubs; providing programming, app-making, Open Data courses and female hackathon's workshops to first level and second-level schools; acting as lead mentor in the Africa Code Week whose aim is to empower a young generation across an entire continent. development.https://www.insight-centre.org/development |
| 10:20-10:40 | Insight Centre | Coffee / Tea | |
| 10:40-11:30 | Insight Centre | Dr. Andrew Flaus, Centre for Chromosome Biology, NUI Galway | Using technology to personalise learning: The increasing availability and usability of teaching technology tools is now allowing teachers to provide engaging learning opportunities without the need for specialised infrastructure and expertise. This includes the use of smartphone-based personal response systems to enable large classes to participate, self-grading online activities, and paperless grading and feedback of assignments. This talk will profile a variety of examples from tertiary biology courses that illustrate the ease of implementation and richness of insights that are now available with teaching technology tools http://www.nuigalway.ie/biochemistry/staff/flaus/ |

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| 11.40-12:20 | Insight Centre | <p>Dr. Enda O'Connell, Senior Technical Officer (Screening Core), National Centre for Biomedical Engineering Science,</p> <p>Dr. Muriel Grenon, Lecturer in Biochemistry, Funding Director Cell Explorers</p> <p>Claire Riordan, Science Engagement Associate with CÚRAM Centre for Research in Medical Devices</p> | <p>ReelLIFE SCIENCE is a novel national science video competition for Irish primary and secondary schools, which aims to promote Science in the classroom and beyond. http://reellifescience.com/</p> <p>Cell EXPLORERS is a science education and outreach programme based in the School of Natural Sciences in the National University of Ireland Galway. We work on a unique model where volunteers and student projects combine to allow sustainable outreach. Our aim is to promote hands-on discovery of molecular and cellular biology http://www.cellexplorers.com/#!about2/cqs8</p> <p>(http://www.curamdevices.ie/curam/public-engagement/)</p> |
| 12:20-13:20 | Westwood Hotel | Lunch | Soup / Sandwiches/ Tea/ Coffee |
| 13:30-14.10 | Insight Centre | Dr Seán Ó Grádaigh, Máistir Gairmiúil san Oideachas, Department of Education, NUIG | <p>An Máistir Gairmiúil san Oideachas (MGO) at NUI, Galway is a two year, full-time, second level teacher education programme, offered entirely through the medium of Irish, and recognised by the Teaching Council of Ireland for the purposes of registration as a post-primary teacher in Ireland, the EU, and other English speaking countries.</p> <p>A particular strength of the programme is its</p> |

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| | | | emphasis on educational technology. Last year it became the first 1:1 iPad Initial Teacher Education (ITE) programme in Europe. |
| 14:30 | Engineering Building, NUIG | Aodh Dalton, Chief Technical Officer, College of Engineering and Informatics | Architecture as a learning tool: how the Engineering building was designed to teach engineering principles. |
| 15:30 | NUIG Old Campus Tour (Optional) | | TBC |