Higher Diploma in Science in Computer Science (Level 8) Year 1

June Onsite 2019

Programme Handbook
June 13th/14th
Location:
WIT Arena

Department of Mathematics & Computing
School of Lifelong Learning & Education
Waterford Institute *of* Technology

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Welcome to the June ICT Skills Onsite

Welcome to the June on site – and we are delighted to host you in person after all the 'virtual' interactions to date. With a significant set of learning completed and assessed, we can start to look forward to the next stage on our journey.

This two day event will serve a dual purpose: preview modules from Semester 2; and start the process of introducing you to some of our industry partners. In addition, we are taking the opportunity of taking you deeper into git and GitHub – via a workshop in conjunction with one of our industry partners.

All the material from the workshop & presentations will be on our course web as usual:
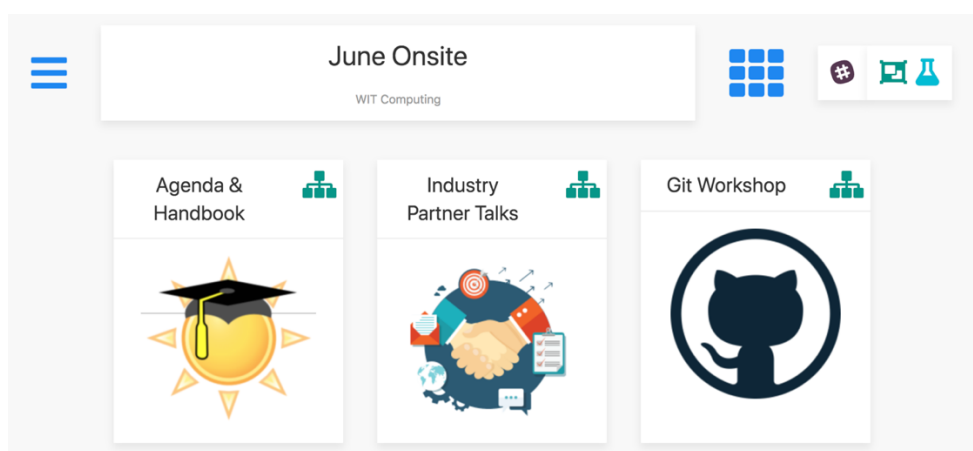
In addition, introductory content associated with the new modules will be hosted in new course webs:
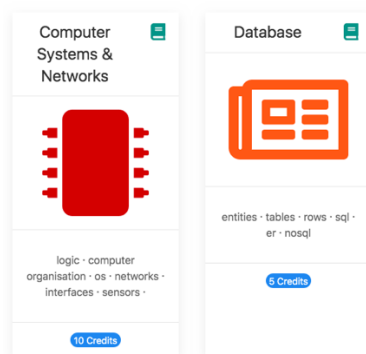
We hope the experience will be rewarding and the content stimulating, you take the opportunity to meet your fellow students in person and also relax and enjoy the content + the location (we are very proud of our new Greenway!).

This handbook provides the agenda + details on our industry panel session on Friday.

Best of Luck

Eamonn de Leastar, Colm Dunphy, Joan Mangan, June, 2019

Agenda

Thursday June 13		
9.00	**Welcome, Agenda, Work Placement brief** Eamonn de Leastar, Colm Dunphy Joan Mangan	Semester 2 Preview Work placement
9.30	Computer Systems & Networks Frank Walsh, Caroline Cahill	Workshop 1
10.30	Coffee Break	
11.00	Computer Systems & Networks Frank Walsh, Caroline Cahill	Workshop 1
12.00	Greenway Walk	
13.00	Lunch	
14.00	GIT Workshop Redhat Aiden /Ger	
17.00	Finish	

Friday June 14		
9.00	Data Science Bernard Butler	TSSG
10.00	Database Mary Lyng, Roseanne Birney	Workshop 2
11.00	Coffee Break	
11.15	Database Mary Lyng, Roseanne Birney	Workshop 2
12.00	Manage to Learn! Greenway events Laura Mc G	
13.00	Lunch	
14.00	DATAWORKS redefining possibilities	
	VR IMMERSIVE EDUCATION LEARN THROUGH EXPERIENCE	
	Fund Recs	
	DISTILLED SCH	Employer Partners Panel Discussion
	SERVISBOT	
	Scurri	
	Sun Life Financial	
	SE2 PurposeBuilt to FutureProof	
	MICROCHIP	
16.00	Finish	

Panel Discussion;   'Transitioning to a Career in Technology'

Presenter	Email	Organisation	Organisation website
Brian Robinson	brobinson@dataworks.ie	**Dataworks**	www.dataworks.ie
Sandra Whelan	**sandra@immersivevreducation.com**	**VR Education**	**https://immersivevreducation.com/**
Padraig O Scanaill	**padraig@fundrecs.com**	**Fundrecs**	**https://www.fundrecs.com/**
Maeve Carey	**maeve@donedeal.ie**	**Distilled SCH**	**http://distilledsch.ie/**
John Rellis	john.rellis@servisbot.com	**Servisbot**	**https://servisbot.com/**
Rory O'Connor	**roryoconnor@scurri.com**	**Scurri**	**https://www.scurri.com/**
Shane McCormack	**Shane.McCormack@sunlife.com**	**Sunlife Financial**	**https://www.cgmllc.net/**
Ian McGoldrick	**ian.mcgoldrick@se2.com**	**SE2**	**https://se2.com/**
Anton Krug	**Anton.Krug@microchip.com**	**Microchip**	https://www.microchip.com https://www.microsemi.com

Panel Presenter Biographies

BIOGRAPHY

Brian Robinson – Dataworks

Title: Chief Technical Officer

Company Profile: Dataworks provides software solutions and validation services to clients in the Life Sciences Sector. Many of our software solutions focus on the Digital Transformation of paper-based Batch Record systems to fully computerised systems. We also help our clients to use the data captured in their new and existing systems to support Continuous Improvement projects so they have a better view of the manufacturing process and more information to support better decision making – real-time KPIs. Dataworks also offer validation services from lab equipment to lab systems through to MES and ERP. We validate equipment, automation and software systems. Dataworks offers outsourced managed services where we provide front line and remote support on software systems – both ones we have developed for the clients, and ones which we may not have developed, but which are based on technology platforms that we work with on a daily basis e.g. MS .NET, SQL Server, MS Dynamics, etc.

Specialties: Software Development, Software Validations, Continuous Improvement through the application of technology, Business Process Automation, Digital Transformation, Data Visualisation, Data Analytics

Personal Profile: Brian has an honours degree in Electronic Engineering from Trinity College Dublin and a Masters in Enterprise Software Development from Waterford Institute of Technology. He founded Dataworks in 1995 with his business partner Liam Curham. As the company grew, Brian has gone from Designing and Developing Software Systems for SME's to giving Strategic, Technical and Operational direction to a thirty-five strong workforce that deliver solutions to some of the biggest names in the Pharmaceutical and Medical Device sector in the World.

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Sandra Whelan – VR Education Plc

Title: Co- Director/Founder

Company Profile:

VR Education founded in 2014 and headquartered in Waterford is a multi-award winning virtual/augmented reality (VR/AR) software firm dedicated to changing how educational content and corporate training are provided and consumed globally. Dual listing on the London Stock Exchange AIM and Irish Stock Exchange ESM, VR Education is at the forefront of virtual and augmented reality in the education and simulated training space. Their award-winning ENGAGE platform allows educators and corporate trainers to share their own content in a virtual setting, inspiring students whether in a classroom, lecture theatre, operating theatre or on the surface of Mars. (www.engagevr.io) VR Education has also won global accolades for its showcase experiences, Apollo 11 VR, Titanic VR and 1943:Berlin Blitz. VR Education works with leading institutes and universities including, but not limited to, University of Oxford, Royal College of Surgeons and the BBC.

Personal Profile:

Sandra Whelan is Chief Operating Officer at VR Education. Sandra also worked as a Senior Editor and Content Creator for a top ranked virtual reality website, where she developed a strong rapport with key software developers in the industry. Sandra also has significant experience working with large corporations' contract management and accounts management.

Additionally, Sandra was a judging panel member for the Waterford Local Enterprise Irelands Best Young Entrepreneur Competition in 2017 and 2019, where she judged finalists for three National Category Awards; 'Best Business Idea', 'Best Start Up Business' and 'Best Established Business'.

In March of 2018, Sandra and her team successfully listed VR Education Holdings on the London and Irish Stock Exchange.

Following this, Sandra and her husband were the recipients of The Irish Times Business People of the Month Award for March 2018 and finalists for the Entrepreneur of the Year Awards 2018 under the Emerging Category.

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Padraig O'Scanaill – Fundrecs
Title: Director/Founder @ Fundrecs

Company Profile:

Fund Recs was founded in 2013 when the company founders were approached by a large bank to develop a new reconciliation platform for it's Fund Administration unit. With over 25 years operational and technology experience between them the team are building a platform to transform how data is managed, processed and leveraged by the Funds Industry.

Fund Recs recently launched VELOCITY platform for Fund Administrators empowers Administrators to process valuations faster and with increased oversight. Taking the latest technology and approaches from the best loved consumer software applications, the Fund Recs team are combining consumer user experience and interfaces with enterprise accuracy, security and availability.

The team at Fund Recs believes that the software we use in day-to-day business activities should be as well designed and easy to use as the consumer applications we enjoy every day in our personal life. By combining ease of use with powerful processing, flexible data import and key Industry knowledge we have set out on our mission towards developing the most efficient, powerful and cost effective reconciliation software available.

Personal Profile:

Padraig has over 12 years' experience as a Software Engineer and Web Developer. Padraig has a BSc, (Hons) Information Technology & Telecommunications from the University of Limerick and obtained a postgraduate diploma in Computing and Web Application Development through the Graduate Initial Fidelity Training (GIFT*) program at Fidelity Ireland.

Padraig's past roles have included Software Engineer at Cashbooks Limited and as a Java and Oracle Developer at Fidelity Investments.

Padraig is one of the 3 founders of Fund Recs. He manages a team of 8 developers in the Waterford office.

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Contact Details:

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Maeve Carey: DistilledSCH (Brands: Adverts, Daft & Donedeal)

Title: Head of Biz Ops

Company Profile:

DistilledSCH is the leader in online marketplaces in Ireland. In July 2015, the Irish owned company *Distilled Media* and the group *Schibsted Media Group* - the Oslo listed international media group and leading player within online marketplaces globally - announced the establishment of a combined business. It became known as *DistilledSCH* and is now Ireland's leading online media company. The company is located in Dublin, Waterford and Wexford.

Distilled SCH makes up three highly successful Irish online marketplaces.

1/ DoneDeal.ie is one of Ireland's largest classifieds websites and is the number one destination to buy and sell cars online
2/ Daft.ie is the leading real estate website and app in Ireland
3/ Adverts.ie is a mobile-first platform for buying and selling goods and services. With a focus on community, it offers buyers and sellers alike with a unique, trusted approach to buying and selling online
The company is located in Dublin, Waterford and Wexford.

Personal Profile:

Maeve began her working life in the Pensions industry in 2000. Following her completion of the ICT conversion programme Higher Diploma in Computer Science at Waterford Institute of Technology in 2014, she embarked on new career with DoneDeal. Maeve was promoted to the role of Technical Project in September 2017 and is currently Head of Biz Ops at Distilled SCH
Maeve was awarded a BSc (Hons) in Theoretical Physics form Imperial College London in 1999.

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John Rellis – Servisbot
Title: Team Lead at ServisBot

Company Profile:

ServisBot provides a Conversational Artificial Intelligence (AI) Platform for businesses to build natural language solutions, virtual assistants and chatbots that transform customer and employee engagement across multiple digital channels and across many different journeys.

Chatbot and natural language solutions now enable people to search for knowledge, raise tickets, query transactions, renew memberships, book travel, schedule appointments, transfer money, and engage across multiple journeys. This is what is known as Conversational AI, and it is the key to advance automation and self-service for customers and employees.

Personal Profile:

John started working in tech after graduating from WIT in 2007, and is now Team Lead of the Core Services Team in ServisBot. The Core Services Team's primary focus is the development and management of "Serverless" MicroServices on a fully native AWS stack to serve ServisBot's Conversational AI platform to the world.

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Rory O'Connor – Scurri

CEO / Founder

Personal Profile:

Rory O'Connor, is the founder and CEO of Scurri. Since launch Rory has focused on building and leading an impressive team of highly experienced technologists and advisors. Rory has won significant investment for the software business, raising over €7 million investment from private individuals, business angel investors and Enterprise Ireland.
Prior to founding Scurri in 2010, he worked in various roles in Waterford Wedgwood, in sales, marketing and strategic project roles including being part of the team that delivered a €10m SAP implementation.
Rory subsequently worked as a change management consultant with clients such as Heineken, Intel, Ogilvy and Siemens and as a project manager with AOL broadband.
Rory has a number of business qualification including holding an MBA from Henley Management College.

Company Profile:

Scurri connects and optimises your online ordering, shipping and delivery. It's a dynamic platform & API designed to be simple, effective & adaptable to your needs. Scurri adds value at multiple stages along the eCommerce journey: from helping get the purchase over the line in the basket, to selecting the most effective delivery option for each package, creating accurate labels, tracking the packages, and running analytics to deliver insight to support process improvement. Fuelled by the growth in online shopping in the UK and Ireland, Scurri was founded in 2010 and the technology now manages millions of parcel deliveries for ecommerce merchants including eBay, Vision Direct, Gousto, Gymshark and Ocado to name a few and are integrated with delivery partners such as UPS, Royal Mail, DHL, TNT, DPD, Yodel and many more.

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Shane McCormack - Sunlife Financial

Title: Director of Application Development

Company Profile:

Sun Life Financial, is a leading global financial services organisation with 150 yrs experience. We provide a diverse range of wealth accumulation and insurance products. You'll find us just about everywhere including Canada, the U.S., the U.K., Ireland, Hong Kong, the Philippines, Japan, Indonesia, India, China, Australia, Singapore, Vietnam, Malaysia and Bermuda.

In Ireland, Sun Life Financial is based in the vibrant city of Waterford in the sunny South East. Employing 310 people (at December 31, 2014), our Waterford office provides software development, business administration and technical service desk services to our North American and International divisions.

Personal Profile:

Shane has over 14 years of industry experience in the J2EE world in both the telecommunications and financial sector. Specialties: Java 1-8, J2EE, JPA, Hibernate, Spring, MQ Series, SQL, JSP, Drools, Flex, CF, UML....,

Shane graduated with a bachelor degree in Information Technology and Telecommunications from University of Limerick in 200, and he was further awarded a **MSc in Telecommunications and Software** at Waterford Institute of Technology in 2003.

Other qualifications: PRINCE 1 certification in Project Management.

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Ian McGoldrick – SE2

Integration Solution Architect

Company Profile:
SE2 is a recognized leader and one of the most innovative technology and third party administration companies focused on the North American life and annuity insurance industry. SE2 supports more than 20 direct clients, represents more than 35 carriers in North America and services more than 1,000 life and annuity products. SE2 has approximately $100 billion in assets under administration and has been recognized as an industry-leading innovator.

SE2 provides to life and annuity carriers everything from insurance Business Process as a Service (BPaaS) to complete third-party administrator (TPA) services and unmatched support. Built on the powerful SE2 Aurum Platform, life and annuity it's insurance BPSaaS is the proven path to new product success.

Conceived by a life insurer for life insurers and co-developed by technology and domain experts, SE2 is unique in the market. On average every 12 months, SE2 helps launch 10-15 new products and 180,000 new apps, generating $15+ billion in new premiums.

Personal Profile:

Since graduating from Strathclyde University in 1992 Ian has continuously been involved in private and public sector enterprise software development covering domains as diverse as construction, law, retail, publishing and finance.

During his career Ian has filled a number of roles both individual and managerial. His current role is that of Integration Architect specializing in API integration with Mulesoft.

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Anton Krug – Microchip

Title: Embedded Development Engineer at Microchip

Company Profile:
Microchip technology (Nasdaq: MCHP) offers a comprehensive portfolio of semiconductor and system solutions across the microcontroller, analog, FPGA, connectivity and power management markets. Producing various products including high-performance and radiation-hardened FPGAs, SoCs and ASICs. Microchip is headquartered in Chandler, Arizona, and has over 18,000 employees across 69 locations worldwide. www.microchip.com

Personal Profile:
Anton is a passionate developer who has a deep understanding of embedded/cloud and machine learning systems

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             https://www.microsemi.com

Staff Contact Details

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