2021 COMPUTER SCIENCE SUMMER SCHOOL MAYNOOTH UNIVERSITY

Join us online this summer

2021 Maynooth University Computer Science Summer School program offers topics including: Software Engineering & Formal Methods, Artificial Intelligence, Virtual Reality, Computer Animation, Windows Programming and Music Technologies.

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OUR TEAM

Joseph Timoney currently is Head of Computer Science Department at Maynooth University. His research interests are based in the area of Software Engineering, systems analysis, and musical audio signal processing. He has supervised several PhD and MSC students. He was a

Charles Markham is an associated professor in Computer Science Department at Maynooth University. His research interests are computer graphics. He likes developing programs that can simulate complex real world scenarios such as river flow, human-body movement, etc.

Ralf Bierig is an assistant professor in Computer Science Department at Maynooth University. His research interests range from interactive information retrieval (IIR), personalisation and information search behaviour to usability (UX) and virtual reality (VR).

Hao Wu is an assistant professor in Computer Science Department at Maynooth University. He has strong interests in formal methods and programming languages. Many of his work is based on using SAT/SMT solvers to create fully automated tools for program verification, model reasoning and more.

Mehrdad Maleki is a postdoctoral researcher in Computer Science Department at Maynooth University. His research area and interests include: lambda calculus, programming language design, semantics and theory of computation. He is currently working on developing new algorithms for automatic differentiation.

TIME TABLE

Date	Time	Topics	Lecturer
26/July	09:30 - 11:30	Introduction & Formal Methods	Joe & Hao
27/July	09:30 - 11:30	Blender	Charles
28/July	09:30 - 11:30	General AI: Preception, action, planning, evolution, etc.	Saravana
29/July	09:30 - 10:30	Neural Network	Mehrdad
30/July	09:30 - 11:30	Windows Security Programming	Behnam
03/August	09:30-11:30	ASP.NET, C# Programming	Behnam
04/August	09:30-11:30	Virtual Reality	Ralf
05/August	09:30-11:30	Interface Design	Damien
06/August	09:30-11:30	Music Technologies & Closing	Joe & Hao

Note that the time zone in Ireland in the summer is UTC/GMT+1 (Dublin). 09:30 Irish time is 16:30 Beijing time.

Teaching Facilities

All online teaching activities including: lecture slides, sample code, assignments and submissions are distributed using Microsoft (MS) Teams. An invitation will be sent to your email address before the summer school. You need to accept the invitation in order to be included in the lectures. Hence, it is highly recommended to check your email and download MS Teams before the summer school.

Maynooth University is an internationally recognised institution located 25 kilometres outside of Dublin, Ireland, and is the nation's fastest growing university. One of four constituent universities of the National University of Ireland, Maynooth University in 2019 placed #43 in the global top 100 universities under 50 years old in the Times Higher Education World University Rankings.