

# FREE WORKSHOP



## The Julia Programming Language

**Registration link:**  
**COMING SOON**

**When:**  
**November 6<sup>th</sup>, 9:30-17:00**

**Where:**  
**NUIG CA107 Aras Cairnes**

**What:**  
This one day intensive workshop offers an introduction to the Julia programming language for scientific computing.

Julia is a high-level and open source scientific programming language with a syntax comparable to MATLAB and Python. However, Julia is a high-performance and dynamic language, and since it compiles to efficient native code, it presents with high speed and efficiency, causing some to say it:

*“Tastes like MATLAB/Python but runs like C++”*

The high-level syntax means Julia is easy to learn, while the efficient computation means Julia implementations can scale to tackle large and real world problems.

**About julia:** <https://julialang.org/>

**Julia-Matlab-Python syntax comparison:** <https://cheatsheets.quantecon.org/>

### **Organisers:**

Dr Niall Madden, *School of Mathematics, Statistics and Applied Mathematics, NUIG*

Dr Kevin Moerman, *School of Engineering, Biomedical Engineering, NUIG*

ICHEC: The Irish Centre for High-End Computing

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**NUI Galway**  
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