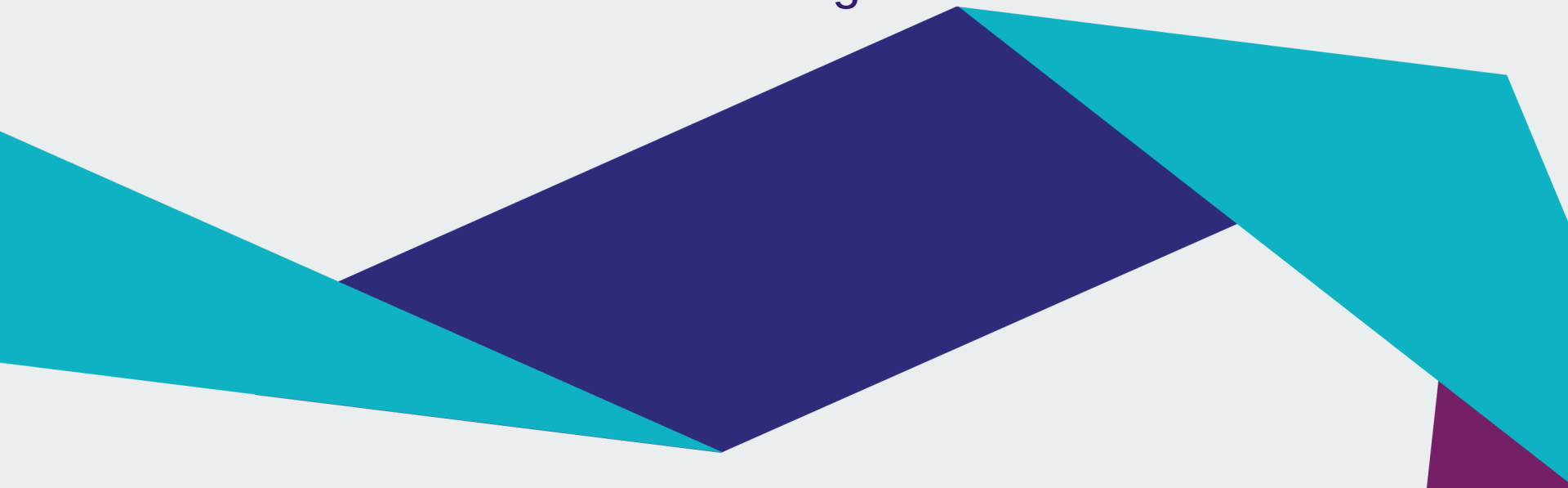
Imperial College London

Numerical Computing in Python with Numpy and Scipy

Chris Cooling

Graduate School Senior Teaching Fellow



Important Information on Marking your Attendance on Inkpath

I will show you a QR code at the end of the session allowing you to mark your attendance on Inkpath. Please do not mark your attendance until then.

If you are not a Postgraduate Research student and didn't book via Inkpath, your attendance will be marked on a separate database.

Learning Outcomes

1. **Describe** the key functionality and advantages of NumPy and SciPy
2. **Utilise** NumPy arrays to store and perform operations on data sets
3. **Locate** appropriate SciPy functions for a specific problem
4. **Create** basic programs using NumPy and SciPy to solve numerical problems

Notebook Links

- What Are NumPy and SciPy
- Creating and Manipulating NumPy Arrays
- Array Operations
- Calculus
- Built-In Functions
- Initial Value Problems
- Other Features
- Performance Comparison
- Projects

Feedback

- Once you've completed this course, please provide feedback
  - The link is tinyurl.com/rcds2021-22
  - You should also have received an email with this link
  - This helps us improve the class for future students

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