

# Genetic Improvement 2017

Applying Genetic Programming to Modify Existing Software

**Sunday 16th July 2017**

**1030 – 1800**

**Room: Jade**

## Keynote: Wolfgang Banzhaf

Genetic Programming between Artificial Intelligence and Software Engineering

In this talk we shall discuss the tension in Genetic Programming between its roots in AI and its ambitions to achieve automatic programming. This tension goes back to the origin of GP. We shall look back at the original ideas and how far we have come to date. I shall end with outlining a few potential routes GP can take in the future.



## Workshop Chairs



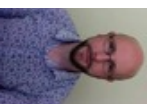
Bill Langdon



Justyna Petke



Wes Weimer



David R. White

- Attend GI 2017 to learn more about:
- industrial deployment of GI
  - GI applications in bioinformatics
  - language support for GI
  - GI of Java bytecode and source code
  - mutation testing and GI
  - deep parameter optimisation
  - model specialisation using GI
  - GI operator design
  - exploiting software repositories in GI

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