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 discuss the tension in Genetic Programming between Artificial Intelligence and Software Engineering.

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
• model specialisation of GI
• exploiting software repositories in GI
• GL operator design
• GL operator selection using GL
• mutation testing and GL
• GL of Java bytecode and source code
• language support for GL
• GL applications in bioinformatics
• industrial deployment of GI

Genetic Improvement (GI) is the application of Genetic Programming and other methods to the improvement of real-world software, including program repair, optimisation, and transplantation.

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