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Wroclaw University of Technology

Institute of Informatics

Software Engineering Group



When people think how a software engineering researcher looks like, they usually ask Google...



Direct hit!

Lionel Briand is a leading software engineering researcher!



Subsequent results are...



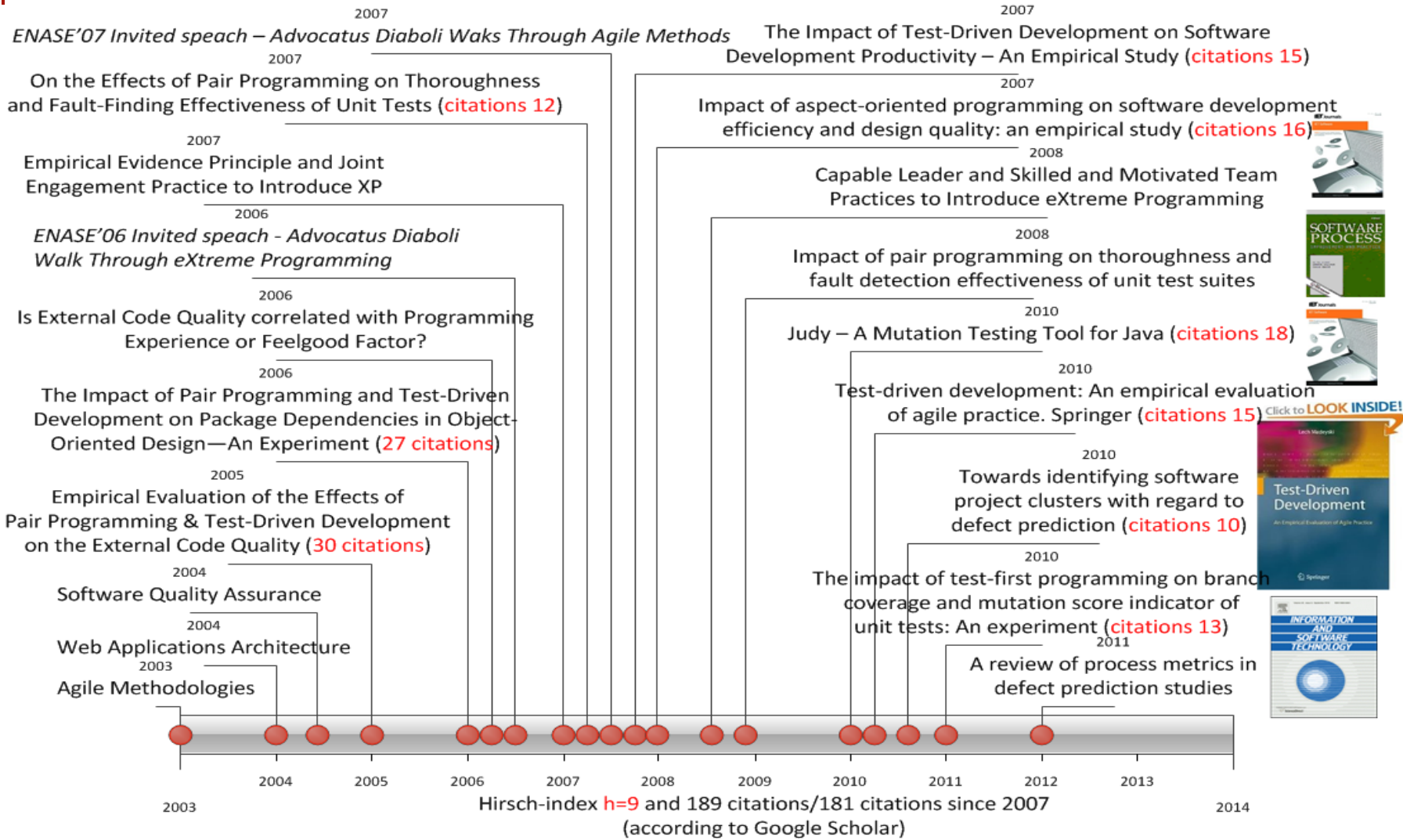


I am probably somewhere in between 😊





My research interests until now - selected examples

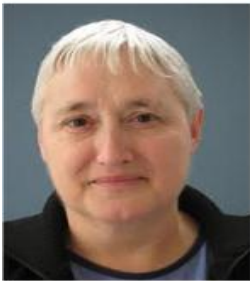




My research in progress - selected examples

2012

Meta-analysis of empirical studies in Software Engineering
in collaboration with Prof.Barbara Kitchenham, Keele University, UK



2012

Overcoming the Equivalent Mutant Problem:
A Systematic Literature Review and a Comparative
Experiment of Second Order Mutation
In collaboration with my MSc students and Prof. Richard Torkar,
Chalmers University of Technology and Gothenburg University,
Blekinge Institute of Technology, Sweden



2013

Case Studies in Industrial Environment & Empirical
Evaluation of Continuous Test-Driven Development
In collaboration with Marcin Kawalerowicz



2013

Software Defect Prediction
In collaboration with Marian Jureczko, PhD and
my PhD students: Marek Majchrzak, Jaroslaw Hryszko



2013

Empirical Evaluation of Scala
In collaboration with my PhD student

2013

Higher-Order Mutation Testing





Let me put my research interests another way

- Empirical/Evidence-Based Software Engineering,
- Software Quality&Metrics, Software Process Improvement,
- Prediction Models in Software Engineering (e.g. Software Defect Prediction),
- Agile Software Development Methodologies and Practices
- Statistical Analyses & Meta-Analyses of Experiments,
- Data Mining, Machine Learning & Meta-heuristics in Software Engineering,
- Search-Based Software Engineering,
- Novel approaches to software engineering e.g. new web frameworks, languages.