INTRODUCTION

MASTER 2 ICE, 2017-2018

Available at https://combemale.github.io/teaching/m2ice/

BENOIT COMBEMALE
PROFESSOR, UNIV. TOULOUSE, FRANCE

HTTP://COMBEMALE.FR
BENOIT.COMBEMALE@IRIT.FR
@BCOMBEMALE
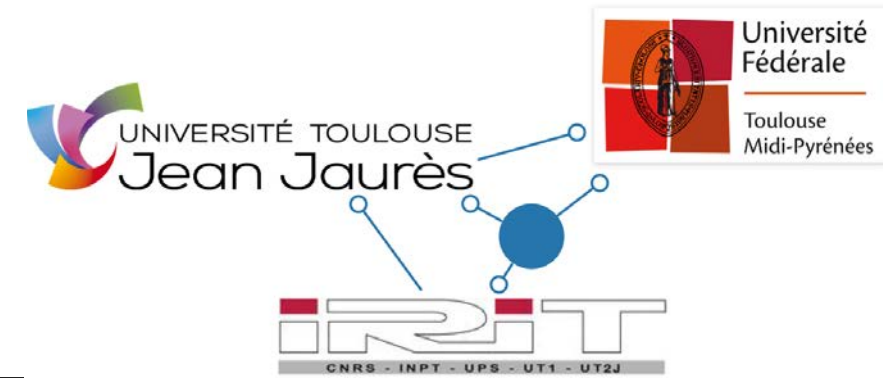
Short Resume

▶ **Positions**

▶ **Since 2017** Full Professor in Software Engineering, **University of Toulouse - Jean Jaurès**

Teacher in the Department of Mathematics and Computer Science

Researcher in the SM@RTgroup of the CNRS/IRIT lab

▶ 2009 - 2017 Associate Professor in Software Engineering, University of Rennes 1

Teacher in the engineering school ESIR (+ Master in SE)

Researcher in the DiverSE group, joint to CNRS/IRISA and Inria

- ▶ 2017 Visiting Professor at McGill University, CA
- ▶ 2013-2016 Research Scientist at Inria *(on leave from UR1)*
- ▶ 2010-2015 Regular visiting professor at CSU, USA

▶ 2008-2009 Postdoc fellow, Inria

▶ 2005-2008 Research associate (PhD student) at ENSEEIHT (grant, French government)

▶ **Education**

▶ 2015 HDR in Computer Science, University of Rennes 1

▶ 2008 PhD in Computer Science, University of Toulouse

▶ 2005 MSc in Computer Science, ENSEEIHT, Toulouse

▶ **2004 IUP NTIE, UT2J, Toulouse (software engineer at INEO SCLE)**

▶ **2002 IUT in Computer Science, UT2J (Blagnac), Toulouse**

UNIVERSITÉ TOULOUSE
Jean Jaurès

Personal Introduction
Benoit Combemale, Oct. 2017

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Background: Complex Software–Intensive Systems

Software intensive systems

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Benoit Combemale, Oct. 2017

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Background: Complex Software–Intensive Systems

- **Multi-engineering approach**
- **Domain-specific modeling**
- **High variability and customization**
- **Software as integration layer**
- **Openness and dynamicity**

people.irisa.fr/Benoit.Combemale/

combemale.fr

Model Driven Engineering, Software Language Engineering, Domain Specific (Modeling) Languages, Software Product Line

Cyber-Physical Systems, Internet of Things

Benoit Combemale
Agility and Safety for Wild Software

Université Fédérale
Toulouse Midi-Pyrénées

UNIVERSITÉ TOULOUSE Jean Jaurès

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Home | Teaching | Rese... | Students | Publications | Talks | Software | Projects | Services | Bio | Contact
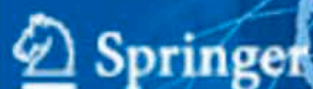
Validation and Verification (formal methods, simulation, model-based testing)

Home
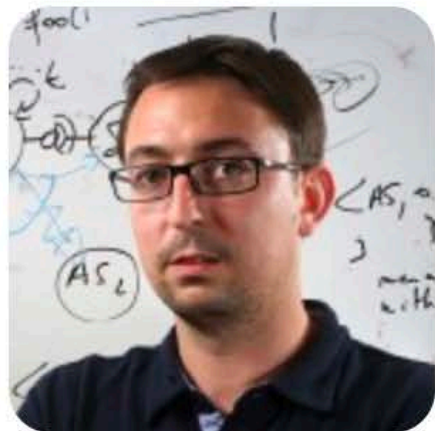
Full Professor at University of Toulouse (UT2J)
PhD and Habilitation in Computer Science

Department of Mathematics and Computer Science
Research team MACAO (IRIT lab)

Member of Gemoc

VANCOUVER 2017
SLE

Springer
Software and Systems Modeling
I support the journal as editor!

Latest tweets

RT @andwor: Next: A Systematic Mapping Study on Modeling for Industry 4.0 with @bcombemale and @barais in empirical studies #models17
1 day ago

RT @richpaige: Best #sosym editorial board meeting ever #models17
https://t.co/vTWZeytMkx
2 days ago

SLE'17 program is now online:
https://t.co/KLnTdZkPTX cc @sleconf
3 days ago

RT @richpaige: @bcombemale "Programming is a special case of executable modelling."
#exe17 #models17
5 days ago

RT @richpaige: Benoit: "Would standardisation hinder innovation?" #exe17 #models17

Hack your own languages?

Join us in the SM@RT team of the CNRS IRIT lab!

Open Positions
for MS, PhD and Postdoc

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WE WANT YOU!

Round table

background? position? business project? expectations for the future? …

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Course Organization

- Bookmark the **course website**
  - https://combemale.github.io (-> M2ICE)

- Lectures, tutorials and labs have to be interactive

- Lectures, tutorials and labs are all mandatory

- Laptops (and others mobile devices) are useless during lectures => prohibited

- Disclaimers:
  - my slides are a mix of French and English
  - my slides are usually just in time published, i.e. by the day/hour of the lectures (and might be outdated before)
  - You must use your preferred IDE (and I have a very limited knowledge on most of them)

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BTW, I'm not your type checker, compiler, javadoc, stackoverflow, google...

Teach yourself, and work with others...

KEEP CALM AND DO IT YOURSELF

How to reach me

▶ Preferably at the **end of a lectures/tuto/labs**

▶ Or using an appropriate communication system you will provide for your project

▶ Ultimately, by sending an **email** (`benoit.combemale@irit.fr`) with:

  ▶ Your **academic email** (or a comprehensible one)

  ▶ An **explicit subject** starting with "[ICE2-PCT] …"

  ▶ A **full signature** including your name, group/partners, etc.

  ▶ A **comprehensible description** of your issues

  ▶ The **related files** (diagrams, source code…)
    ▶ Rq: to export an Eclipse project, use the dedicated facility (Project's contextual menu (by right clicking) > export > Archive File…)

compliance_with_these_rules => a_guaranteed_response

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