SoTeSoLa / SATToSE

SoWhat?

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on behalf of the SoTeSoLa team

http://planet-sl.org/**sotesola**2012

https://github.com/**SoTeSoLa**/

Key topics

- Generic language technology

- Software evolution incl. co-evolution

- Multi-language, multi-technology problems

- Research 2.0 applied to software engineering

- Technological spaces: past, present, and future

- eLearning for language engineers & technologists

- Models of knowledge resources for software developers

- Model-driven engineering beyond software development

- Software re/reverse/engineering in the Semantic Web Era

What's great about summer schools?

- "*Latest & greatest*" on a topic of shared interest
- Committed senior researchers eager to talk
- Committed junior researchers eager to learn
- Participants' presentations / workshop
- Acquisition of contacts
- Adjustment of research vision
- Summer

How to go *Summer School 2.0*?

+ Collaborative work (hackathons, working groups, ...)

+ Obey principles of <u>Open Science</u> and <u>Open Data</u>

+ Remote presentation and remote participation

+ Moderate <u>BarCamp</u> (technology showdown, ...)

– The notion of school = a few very long lectures

– Workshop presentations w/o sufficient discussion

– Travel-heavy acquisition of speakers & participants

– 2kg of proceedings compiled specifically for school

Components of the school

1. **Technology showdown**

2. **Proper workshop**

3. **Working groups**

4. **Hackathons**

5. **Invited talks**

6. Breaks

7. Social program

Technology showdown -- *Design*

- **Coverage**
  - ✦ Software analysis / transformation
  - ✦ Model-driven / model-based
  - ✦ Software reverse / re-engineering
- **Assignment**
  - ✦ Pronounce a killer app.
  - ✦ Draw a technological space.
  - ✦ Disseminate to a broad audience.

Technology showdown -- *People*

Technologies and presenters:

- Ekeko — Coen De Roover (Vrije Universiteit Brussel)

- Ensō — Alex Loh (University of Texas)

- Magnolia — Anya Helene Bagge (University of Bergen)

- MPS — Markus Voelter (independent/itemis AG)

- Moose — Oscar Nierstrasz (University of Bern)

- Rascal — Vadim Zaytsev (CWI, Amsterdam)

Let's think BarCamp and Open Data.

Spontaneous presentations appreciated.

Proper workshop -- *Design*

- Get some substance on software evolution to the school.

- A summer school w/o workshop is too much like a school.

- Attract senior researchers w/o crowding lecture program.

> **SATToSE** = Seminar on Advanced Techniques & Tools for Software Evolution

Proper workshop -- *People*

Querying History of Software by Reinout Stevens (Vrije Universiteit Brussel, Belgium)
Analyzing software ecosystems with SECONDA by Javier Pérez (University of Mons, Belgium)
Software Visualization Services by Marie-Christin Ostendorp (University of Oldenburg, Germany)
Interprocedural Dependence Analysis for JavaScript by Jens Nicolay (Vrije Universiteit Brussel, Belgium)
Corpus engineering in empirical research by Ekaterina Pek (University of Koblenz-Landau, Germany)
On the state of the practice in software quality in industry by Tom Mens (University of Mons, Belgium)
REST ASSURED by Tesfahun Tesfay (University of Twente, The Netherlands)
Resolving Inconsistencies in MDE using Automated Planning by Jorge Pinna Puissant (University of Mons, Belgium)
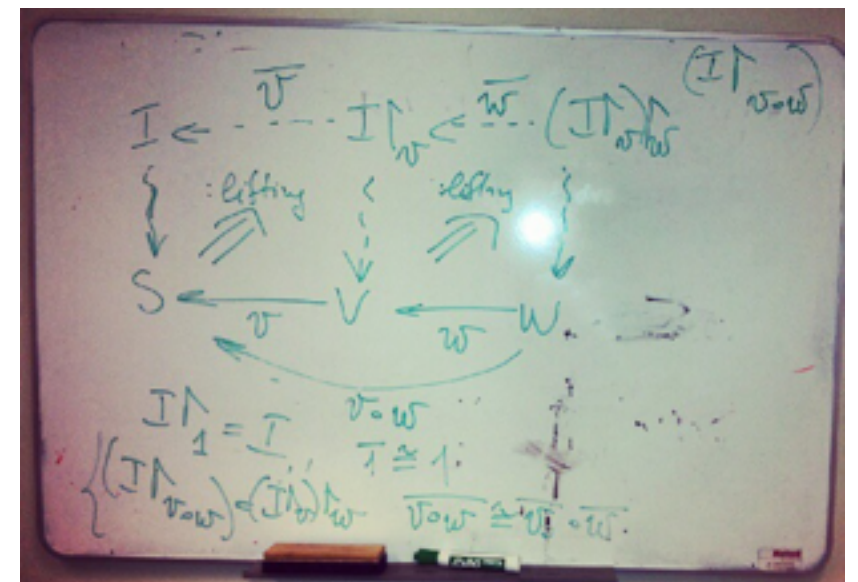...

Program under development.

Let's think BarCamp.

Working groups -- *Design*

- Let's be deliverable-oriented:

  ‣ Models

  ‣ Collections of resources

  ‣ Demonstrators (hacks?)

- Let's transfer knowledge across community.

https://github.com/SoTeSoLa/SoTeSoLa/wiki/

Working groups -- *People*

The SoTeSoLa program will be known *after* the school!

Titles and coordinators

? *Linked Data meets SoTeSoLa* -- Stefan Scheglmann and Gerd Gröner

? *SoTeSoLa-related community resources* -- Andrei Varanovich

? *SoTeSoLa-related folksonomy* -- Dragan Gašević

? Data-driven technological spaces -- João Paulo Fernandes

? *Modeling linguistic architecture* -- Ralf Lämmel

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Hackathons -- *Design*

- *Objective:*

  Gather reverse/re-engineering experiments

- *Setup:*

  ‣ Bring, find, use your technologies

  ‣ Apply your experiments to 101companies

  ‣ Publish results in Open Science ways

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Hackathons -- *People*

Hackathon coordinators

- **Anya Helene Bagge**, University of Bergen

- **Udo Borkowski**, Aachen, IT Professional / Consultant

- **Vadim Zaytsev**, CWI, Amsterdam

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Invited talks -- *Design*

- We need wisdom, inspiration, and visions.

- The *technological space* notion needs prof(.) help.

- Short talks are more easily prepared & consumed.

Invited talks -- *People*

- Green speakers:
  - Jean Bezivin, Industry Consultant on Software Modeling:

    Model-driven engineering beyond software development
  - Ivan Kurtev, University of Twente:

    Technological spaces: past, present, and future
- Non-green speakers:
  - Darius Blasband, RainCode:

    A short history of everything "this company"
  - Jácome Cunha, University of Minho & Oregon State University:

    Model-based spreadsheet engineering
  - Davide Di Ruscio, University of L'Aquila:

    Co-evolution in model-driven engineering
  - Dragan Gasevic, Athabasca University:

    eLearning for language engineers & technologists

Social program

Sun: Walk along Mosel river

Sun: Dinner at Weinhaus Schwaab

Mon: Beach break at "Statt Strand" Koblenz

Mon: Dinner on campus

Tue: Hike in the Mosel Valley

Tue: "Planwagenfahrt"

Tue: Banquet at Anker Terrasse

Wed: Unstructured City Tour

Acknowledgement

Jean-Marie Favre
(Co-designer)

Vadim Zaytsev
(Essential executor)

Sabine Hülstrunk
(Mädchen für Alles)

Thanks!

ADAPT research focus at the University of Koblenz-Landau
as part of Rhineland Palatinate's Research Initiative

Images

All images but the logos were drawn from the twitter account @reallynotabba. These images are, in fact, photos that were taken legally and personally by that twitter user.