CAISE'13 Valencia, Spain

Successful empirical research in Software Testing with industry

Co-chair: Nelly Condori-Fernandez
Universidad Politecnica de Valencia
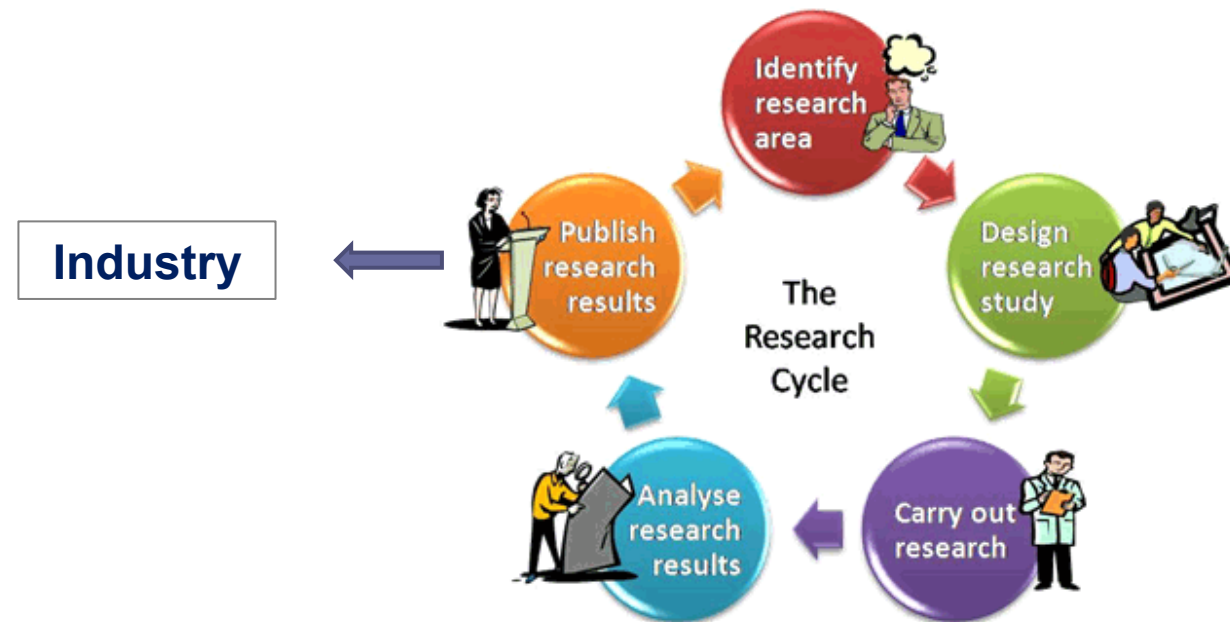
FITTEST
SEVENTH FRAMEWORK PROGRAMME

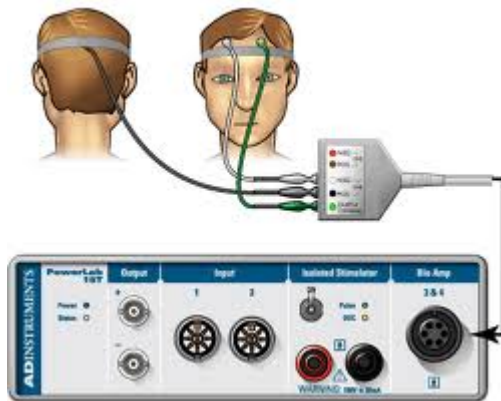http://www.pros.upv.es/fittest/

Introduction

- To facilitate the **transference of the research results** to industrial applications

Industry

Empirical software engineering

- To facilitate the **transference of the research results** to industrial applications

Most empirical research methods

- Experiment
- Case Study
- Survey

Limitations

- Lack of realism
- Generalizability of the results.

Dag I. K. Sjoberg, Tore Dyba, Magne Jor[...]
Engineering Research, 2007
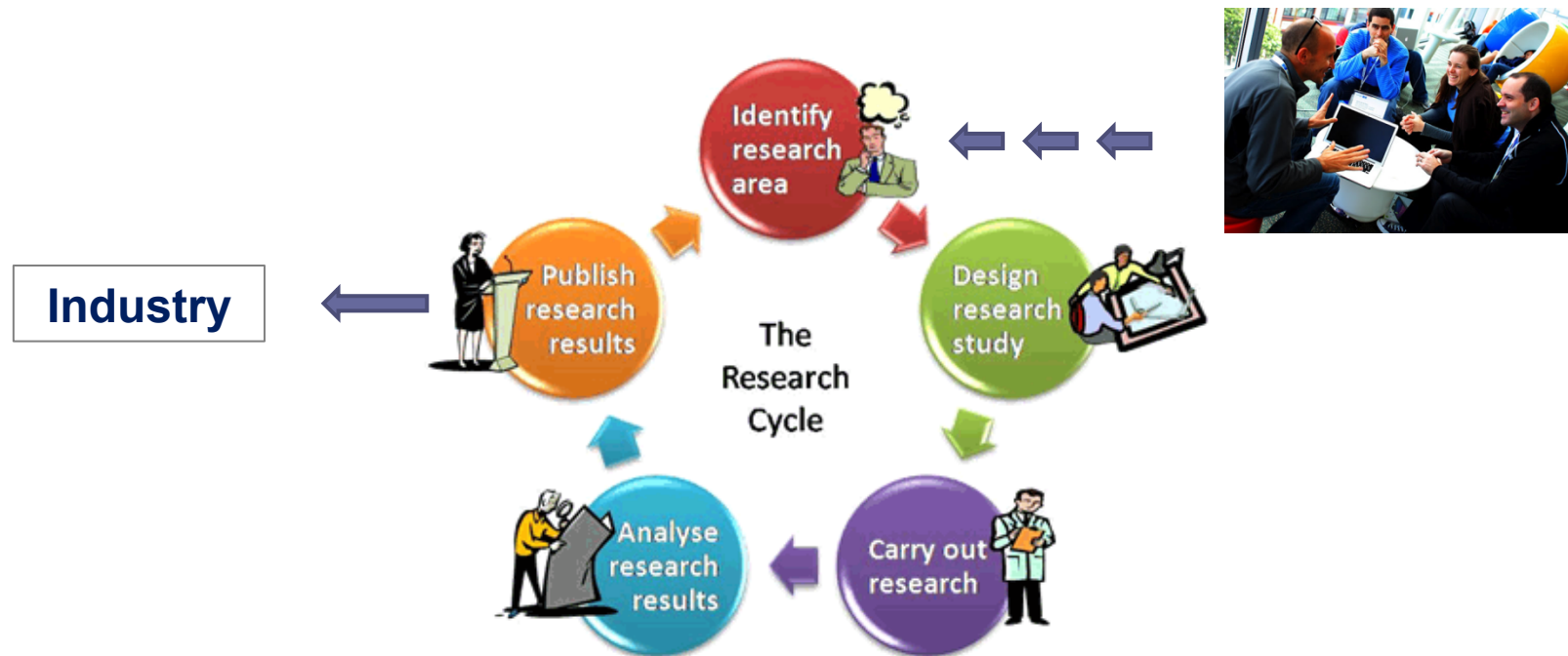
Introduction

- Technology transfer → • Collaborative research

Industry

Identify research area

Design research study

Carry out research

Analyse research results

Publish research results

The Research Cycle

INDUSTRY

ACADEMY

Panel members

Industry

1) Ricardo Baeza Yates, Yahoo

2) Ywan van der Kleijn, Encamina

3) Maximiliano Mannise, ITI

Academy

1) Maria Jose Scalona
Universidad de Sevilla

2) Tanja Vos
Universidad Politecnica de Valencia

Questions

Round	Industrial perspective	Academic perspective
1.	What are the current challenges you are facing during your current software testing processes? How are you searching for ways to overcome these challenges?	Does software testing research address the real issues arising in practice? (If yes, what are these real issues. If no, why not?)
2.	What obstacles did you perceive to adopt any software testing research results into practice?	What obstacles did you encounter when evaluate testing tools?
3.	What did you do to overcome these obstacles? And what do you think academia should do to overcome these obstacles?	What did you do to overcome these obstacles? And what do you think industry should do to overcome these obstacles?
4.	How could the testing practitioners reach the software testing research community?	How could the software testing research community reach testing practitioners?

Instructions

- For each round:
  - Panelists respond formulated questions-> 3 minutes
  - Audience will be able to formulate questions-> 5 minutes
- Fifth round- Conclusions
  - For each panelist -> 2 minutes