

## **Template ICAB 2025**

### Software testing and student engagement

Let's learn about software testing!

In this interactive, hands-on session, you'll discover that software testing is more than finding bugs—it's a creative process that thrives on critical thinking, managing assumptions, and uncovering the unseen.

Through a series of fun and surprising puzzles, you'll learn how to:

- Spot hidden assumptions that can derail systems.
- Think outside the box to solve problems creatively.
- Experiment fearlessly and question everything to master the art of testing.

You'll connect the dots in unexpected ways, decode hidden rules, and reverse-engineer challenges—skills that set great testers apart. Whether you're a beginner or a coding pro, this session will show you why testing isn't just a skill, but a superpower.

### **Speakers**

#### **Tanja E.J. Vos**

Tanja E.J. Vos studied computer science at the University of Utrecht (The Netherlands) and obtained her PhD on formal verification in 2000 at the same university. Currently, she is an associate professor at the Technical University of Valencia (UPV) and a full professor at the Open University in The Netherlands.

She has more than 20 years of experience with formal methods and software testing. Her research focuses on automated testing. She has been teaching for more than 20 years and has been involved in many research projects on software testing in an industrial setting.

#### **Niels Doorn**

Niels Doorn is a PhD Student at the Open Universiteit and works as a Team Leader / Lecturer Researcher at the NHL Stenden University of Applied Sciences. He has a software engineering background, and his research focuses on ways to improve software testing in different computer science educational contexts.