

# CURRICULUM VITAE

Dr. ir. Natalia Stash



**Email:** [n.v.stash@tue.nl](mailto:n.v.stash@tue.nl)  
**Homepage:** <http://www.wis.win.tue.nl/~nstash>  
**LinkedIn Profile:** <https://nl.linkedin.com/pub/natalia-stash/1/9b5/812>  
**Mobile:** +31611480519

## EDUCATION AND QUALIFICATIONS

- 2014 University Teaching Qualification certificate  
**Eindhoven University of Technology (TU/e)**
- 2007 PhD degree  
**Eindhoven University of Technology**  
Eindhoven, The Netherlands  
Faculty of Mathematics and Computer Science  
Information Systems section  
Web Engineering group  
Thesis title: *“Incorporating Cognitive/Learning Styles in a General-Purpose Adaptive Hypermedia System”*
- 1993 – 1999 Qualification of Engineer with Specialization in Control and Information Technology in Engineering Systems  
**Saint Petersburg State Electro-Technical University (LETI)**  
Saint Petersburg, Russia  
Faculty of Automation and Information Technology  
Engineer diploma title: *“Development of the Distance Learning Server for Studying of Artificial Intelligence”*
- 1996 Certified tour guide in Saint Petersburg and suburbs for English speaking tourists  
**Saint Petersburg association of interpreters**

## WORK EXPERIENCE

- Since Jan 2013 Lecturer  
Since Oct 2016 Study advisor for pre-master and master students in Computer Science  
Sep 2012 – Sep 2016 Study advisor for bachelor students in Web Science  
Jul 2001 – Dec 2012 Scientific researcher and programmer  
**Eindhoven University of Technology**

### **Teaching:**

#### **Courses**

- Adaptive Web-Based Systems
- Web Technology
- Design-Based Learning Hypermedia
- Human-Technology Interaction

### **Projects:**

- AUTHEW EU Lifelong Learning Project  
(Autism in Higher Education: Widening Access)  
<http://autism&uni.org>  
*Goal:* identifying strategies and creating interactive tools to support autistic students in higher education  
*Role:* principal investigator from the TU/e side
- EOOE4EU (EIT<sup>1</sup> Open Online Education For Europe)  
*Goal:* analysing and selecting online platform for professional education  
*Role:* researcher
- Adaptive Learning  
*Goal:* creation of an authoring environment and delivery of adaptive learning material for school children  
*Role:* researcher
- CHIP (Cultural Heritage Information Personalization/Presentation)  
<http://chip.win.tue.nl>  
*Goal:* Exploring how personalization, user modelling techniques and semantic web technologies can be used to enhance museum visitors experience  
*Role:* scientific programmer
- GRAPPLE EU FP7 STREP project  
(Generic Responsive Adaptive Personalized Learning Environment)  
<http://grapple.win.tue.nl>  
*Goal:* Delivering to learners a technology-enhanced learning environment that guides them through a life-long learning experience, automatically adapting to personal preferences, prior knowledge, skills and competences, learning goals and the personal or social context in which the learning takes place  
*Role:* researcher
- AHA! (Adaptive Hypermedia for All)  
<http://aha.win.tue.nl>  
*Goal:* To define, study and implement a facility for extending Web-servers with transparent adaptivity functionality  
*Role:* scientific researcher
- VIBeX (Vehicle Innovation Brabant electric eXchange nodes)  
in collaboration with Beijer automotive and Sioux companies (NL)  
*Goal:* developing REST API as a standard for automotive service providers to deliver vehicle data to other parties  
*Role:* consultant on data format such as RDF, JSON

### **Collaborations:**

- Cross-KIC<sup>2</sup> collaboration within EIT activities  
*Goal:* Developing Innovation Primer online education programme that involves creating personalized learning paths  
*Role:* consultant on adaptive learning technologies

---

<sup>1</sup> EIT – European Institute of Innovation & Technology

<sup>2</sup> KIC – Knowledge and Innovation Communities

1999-2001            Researcher  
**Institute for High Performance Computing and Databases**  
Artificial Intelligence Laboratory  
Saint Petersburg, Russia

**Projects:**

- IDLE (Intelligent Distance Learning Environment)
- Distance Learning Course on Business Planning

1998 – 2001            Programmer  
**Mariinsky theatre**  
Saint Petersburg, Russia

## RESEARCH INTERESTS

include but are not limited to:

(authoring of) adaptive Web-based systems, personalisation, user modelling, human-technology interaction, e-culture applications, (semantic) Web technologies, cognitive/learning styles, visualisation, Web science

## REVIEWING ACTIVITIES

regular reviews for the following journals:

- New Review of Hypermedia and Multimedia Editorial Office
- IEEE Transactions on Learning Technologies
- MERLOT Journal of Learning and Teaching
- Computers & Education
- Journal of Computer Assisted Learning
- International Journal of Learning Technology
- Journal on Computing and Cultural Heritage

## SKILLS

- Java servlets, JSP, JavaScript, jQuery, CSS, HTML(5), JSON, XML, SVG/VML, (Turtle) RDF, SeRQL
- designing AJAX-based applications and Android apps
- administration of the UNIX system and Sakai learning management system

## AWARDS

- **Semantic Web Challenge 2007, 3rd Prize:** CHIP Demonstrator, jointly with TU/e, Rijksmuseum Amsterdam and Telematica Institute, at ISWC'07, Seoul, Korea (2007) (*see the article in Journal of Web Semantics*)
- **James Chen Annual Award for Best UMUAI Article 2008:** Henriette S. M. Cramer, Vanessa Evers, Satyan Ramlal, Maarten van Someren, Lloyd Rutledge, Natalia Stash, Lora Aroyo, Bob J. Wielinga: The effects of transparency on trust in and acceptance of a content-based art recommender, *User Modelling, User-Adaptation and Interaction*, 18(5): 455-496, 2008

## LANGUAGE

Russian (native), English, Dutch