

Josip Maras – Curriculum Vitae

CONTACT:

Department for Modelling and Intelligent Systems,
University of Split,
Faculty of Electrical Engineering, Mechanical
Engineering and Naval Architecture,
Ruđera Boškovića 32, 21000 Split

Tel: (00385) 21 305 651

E-mail: josip.maras@fesb.hr

EDUCATION:

University of Split

Ph.D. in Computer Science, Software Engineering

September 2009 – April
2014

- Thesis: "Automating Reuse in Web Application Development"
- Advisor: prof. dr.sc. Maja Štula
- GPA: 5.0/5.0

Mälardalen University, Sweden

Ph.D. in Computer Science, Software Engineering

September 2009 – April
2014

- Thesis: "Automating Reuse in Web Application Development"
- Advisors: prof. dr. sc. Ivica Crnković, dr.sc. Jan Carlson

Univeristy of Splitu

M.Sc. Computer Science

October 2004 – January
2009

- Thesis: "Reverse Engineering legacy Web applications"
- Advisor: prof. dr.sc. Maja Štula
- GPA: 5.0/5.0

AWARDS

Ministry of Science, Education, and Sports:

- Scholarship, 2004 – 2007

University of Split:

- Rector's award 2006
- Rector's award 2007
- Rector's award 2008

Faculty of Electrical Engineering, Mechanical
Engineering and Naval Architecture:

- Dean's award 2005

Magazine Nacional:

- Top Scholarship 2007

Microsoft "Imagine Cup":

- 2007 – 1st place Croatia

RESEARCH AREA

- World finals in Seoul-u
- Software Engineering
- Reuse
- Web applications
- Program analysis

RESEARCH EXPERIENCE

Ph.D. student, University of Split

- Developing techniques and tools for reverse engineering legacy Web applications
- Engineering a Web system for early forest-fire detection
- Developing techniques and tools for feature identification in Web applications
- Developing techniques and tools for code reuse in Web application development
- Developing techniques and tools for automatic generation of feature scenarios

Ph.D. student, Mälardalen University

- Implementing a tool for designing component-based embedded system

INDUSTRY

- Cygnus, Split, programmer 2007
- Noser, A.G, Švicarska, student internship, programmer 2008
- Cygnus, Split, programmer 2008

TEACHING EXPERIENCE

Teaching Assistant, University of Split

- Internet Programming (2009 - 2014)
- Design and analysis of Information Systems (2009 - 2014)
- Databases (2009)

PUBLICATIONS:

Conference Publications:

1. Maras Josip; Jan Carlson; Ivica Crnković; **Towards automatic client-side feature reuse**, Web Information Systems Engineering, WISE 2013, Nanjing, China
2. Maras, Josip; Štula, Maja, Carlson, Jan. **Generating Feature Usage Scenarios**, International Conference on Web Engineering, ICWE 2013, Aalborg, Denmark

3. Maras, Josip; Carlson, Jan; Crnković, Ivica.
Extracting Client-side Web Application Code,
International Conference on the World Wide Web,
WWW 2012, Lyon, France : ACM, 2012. 819-828
Acceptance rate 12%
3. Maras, Josip; Luka, Lednicki; Crnković, Ivica;
**15 Years of CBSE Symposium: Impact on the Research
Community**; CBSE '12 Proceedings of the 15th ACM
SIGSOFT symposium on Component Based Software
Engineering. **Acceptance rate 28.5%**
4. Stipaničev, Darko; Šerić, Ljiljana; Braović, Maja;
Krstinić, Damir; Jakovčević, Toni; Štula, Maja; Bugarić,
Marin; Maras, Josip; **Vision Based Wildfire and
Natural Risk Observers**; 3rd International Conference
on Image Processing Theory, Tools and Applications,
OS1, Istanbul, 2012. P271
5. Borde, Etienne; Carlson, Jan; Feljan, Juraj; Lednicki,
Luka; Leveque, Thomas; Maras, Josip; Petricic, Ana;
Sentilles, Séverine; **PRIDE – an Environment for
Component-based Development of Distributed Real-
time Embedded Systems**; WICSA - 9th Working
IEEE/IFIP Conference on Software Architecture, IEEE.
2011.
6. Maras, Josip; **Pragmatic reuse in web application
development**; ICSE 2011;.
7. Maras, Josip; Carlson, Jan; Crnković, Ivica.; **Client-
side Web Application Slicing**; ASE 2011 - Automated
Software Engineering, Lawrence, Kansas, 2011.
Acceptance rate 15%
8. Maras, Josip; Štula, Maja; Carlson, Jan; **Reusing Web
Application User-Interface Controls**; Proceedings of
the 11th International Conference on Web
Engineering (ICWE 2011), Lecture Notes in Computer
Science 6757. Prihvaćenost 25%
9. Maras, Josip; Štula, Maja; Carlson, Jan.; **Extracting
Client-side Web User Interface Controls**; International
Conference on Web Engineering 2010.
10. Maras, Josip; Petričić, Ana; Štula, Maja.; **Reverse
engineering legacy Web Applications with
phpModeler**; Mälardalen University Software
Engineering Workshop (MUSE'09).

11. Maras, Josip; Štula, Maja; Crnković, Ivica.
phpModeler - Web model extractor 24th IEEE/ACM
International Conference on Automated Software
Engineering. 2009.

Journal publications

1. Maras, Josip; Štula, Maja; Petričić, Ana; **Reverse engineering legacy Web applications with phpModeler**; JCIS : Journal of Communications and Information Sciences. 2 (2011) , 1; 82-93.
2. Štula, Maja; Doko, Alen; Maras, Josip; **Country's internet spreading rate modelling with fuzzy cognitive map**. International Journal of Modelling and Simulation. 31 (2011) , 4; 287-295
3. Žagar, Mario; Crnković, Ivica; Stipaničev, Darko; Štula, Maja; Feljan, Juraj; Lednicki, Luka; Maras, Josip; Petričić, Ana; **DICES: Distributed Component-based Embedded Software Systems**. Annual ... of the Croatian Academy of Engineering. 1 (2010/2011) ; 154-167
4. Maras, Josip; Štula, Maja; Carlson, Jan; **Extracting Client-Side Web User Interface Controls**; Lecture Notes in Computer Science. 6189/2010 (2010) ; 502-505
5. Maras, Josip; Štula, Maja; Carlson, Jan; Crnković, Ivica; **Identifying Code of Individual Features in Client-side Web Applications**; IEEE Transactions on Software Engineering, Vol. 19, Issue 12.
6. Štula, Maja; Stipaničev, Darko; Maras, Josip; **Distributed Computation Multi-agent system**; New Generation Computing; Vol. 31, No. 3