

## JADRANKA PEČAR ILIĆ, Ph.D., Adjunct Associate Professor



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**Publications:** <http://bib.irb.hr/lista-radova?autor=189932&lang=EN>  
**Nationality:** Croatian; **Date of Birth:** 10 April 1967

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### Work Experience

*Senior Research Associate* (2010-) Division for Marine & Environmental Research (DMER) RBI  
– *Research Associate* (2004-2010); *Senior Research Assistant* (2001-2004); *Research Assistant* (1995-2001); *Postgraduate Assistant* (1991-1995), DMER, RBI

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### Education

- Ph.D. (2001): Information System for Temporal and Spatial Presentation of Complex Data, in Electrical Eng./Telecom. and Informatics, Faculty of Electrical Engineering and Computing (FER), University of Zagreb (*awarded by FER Faculty Council - Silver medal Josip Lončar*)
- M.Sc. (1995): Information System on Investigation of the Adriatic Sea; B.Sc. (1991): Data Integrity in Relational Databases, Electrical Eng./Telecom.&Informatics, FER Univ. of Zagreb

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### Educational activities

- In 2012 appointed *Associate Professor* in information management at the FER, University of Zagreb; *Co-lecturer* of postgraduate doctoral course *Selected topics from data processing* (2006-) and undergraduate course *Databases* (2007-2010) at FER Univ. of Zagreb; Mentor of PhD student: S. Davila, *Integrated information framework for real-time air quality monitoring and assessment*, doctoral thesis, FER Univ. of Zagreb, 25.05.2016, 219 pages
- *Co-lecturer* of PhD-level courses at Univ. of Zagreb, Rijeka: *GIS in Oceanography* (2006-), *Information Management Systems* (2005), *Environmental Information Systems* (2013-)

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### Research interests (main R&D activities in national and international projects)

- *Environmental Informatics, Intelligent Transport Systems-Inland navigation, ICT*
- Development of methods, models, information systems for environmental protection (air & water quality, risk assessment, river navigation, river information services-RIS)
- Conceptual modeling, object-oriented methods for IS development, data integration, geospatial data visualization, development of WebGIS applications and services

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### Recent research and other projects

- 2014-2017, Croatian Science Foundation: ACCTA-Assessment of Carrying Capacity for Tourist in Nature Protected Areas, *project co-leader/researcher (GIS group: Conceptual modeling for the management of environmental data and object-oriented design, 40% FTE)*
- 2009-2014, Croatian Ministry of Science, Education and Sport: Information Systems for environmental quality and risk assessment, *project leader (information framework for environmental data management, Web apps & services); Networked Economy, researcher 2007-2013 (EU digital agenda, ICT, eEnvironment)*
- 2013-2014, Croatia-France program: Electrotransfer of plasmid DNA in vesicles and cells by application of AFM, electrochemical methods and mathematical modelling, as well as 2010-2011, Croatia-Slovenia project: Adhesion of liposomes at electrode, *researcher (conceptual modeling of processes and data; data analysis, processing and visualization)*

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### Papers; Achievements; Membership

- Co-author: 40 sci. papers in journals&conf. proc.; 40 profess. papers/reports; 3 IT systems
- Participated: 20 Int. Confs. for ICT & Enviromatics (*awarded scientific paper, Brno 2005*)
- Member of IEEE Croatia Section (2004- ), ISEIS-International Society for Environmental Information Sciences (2014- ), and *GIS Forum Danube* (2004- ) expert groups

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### Organisational skills and Competencies

- Int. Symposium on Environmental Software Systems-ISESS 2013, Institute of Technology, IFIP, EC, EEA, Neusiedl am See, Austria; *member of the Scientific Program Committee*
- Int. Confs. on Telecommunications: ConTEL 2009, 2013, 2017 Zagreb; ConTEL 2011, 2015 Graz, Graz Univ. of Technology, Faculty of Electrical and Information Eng.; Univ. of Zagreb, FER; IEEE Croatia & Austria Chapters; *member of the Technical Program Committee*