



## Hrvoje Kozmar

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Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb  
Ivana Lučića 5, 10000 Zagreb

### EDUCATION

#### University of Zagreb, Croatia

PhD in Mechanical Engineering, 2005

#### University of Zagreb, Croatia

MSc in Mechanical Engineering, 2000

#### University of Zagreb, Croatia

BSc in Mechanical Engineering, 1994

### AWARDS, FELLOWSHIPS, GRANTS

#### U.S. Embassy Zagreb

Travel grant for attending the "Urban Environmental Pollution" conference in Boston, MA, United States  
*06/2010*

#### International Centre for Mechanical Sciences (CISM)

Travel grant for attending the "Environmental Wind Engineering and Wind Energy Structures" course at the CISM in Udine, Italy  
*09/2009*

#### Fulbright Visiting Scholar

University of Notre Dame, IN  
*09/2007-09/2008, (13 months)*

#### Croatian Department of Science and Technology Scholarship

University of Zagreb / Technische Universität München, Germany  
*10/2006-12/2006, (3 months)*

#### German Academic Exchange Service (DAAD) Scholarship

German Aerospace Center, Göttingen, Germany  
*05/2006-07/2006, (2 months)*

#### Croatian Academy of Sciences and Arts Scholarship

University of Zagreb / Technische Universität München, Germany  
*10/2005-12/2005, (3 months)*

#### Croatian Academy of Sciences and Arts Scholarship

Technische Universität München, Germany  
*05/2002-10/2002, (6 months)*

#### German Academic Exchange Service (DAAD) Scholarship

Technische Universität München, Germany  
*03/1999 -02/2000, (10 months)*

#### Croatian Department of Science and Technology Scholarship

Technische Universität München, Germany  
*03/1998-02/1999, (12 months)*

## Scholarship of Shipyard Split, Croatia

University of Zagreb, Croatia

*Complete undergraduate study*

## RELEVANT EXPERIENCE

### University of Notre Dame, Notre Dame, IN, USA

*Research Scholar*

- Characterization of transient aerodynamic loads on vehicles: wind tunnel tests
- Effects of downburst wind loading of buildings: wind tunnel tests

### University of Zagreb, Zagreb, Croatia

*Assistant Professor*

- Teaching Fluid Mechanics, Aerodynamics, Hydraulic Machines, Data Acquisition and Analysis

### CRIACIV (Inter-University Research Centre on Building Aerodynamics and Wind Engineering), Florence, Italy

*Project Engineer*

- Designing wind barriers to protect vehicles from wind-induced instability on two Croatian freeway viaducts: wind tunnel tests

### German Aerospace Center, Göttingen, Germany

*Research Fellow*

- Design and development of hardware for natural wind simulation in the high-pressure wind tunnel to study Reynolds number effects

### Technische Universität München, Munich, Germany

*Research Assistant*

- Natural wind simulation in the boundary layer wind tunnel
- Modeling of wind loads on structures and hazard mitigation
- Scale effects in experimental modeling of wind engineering problems

### Soltech, Zagreb

*Project Engineer*

- Planning and design of thermal solar collectors for domestic applications
- Management of administrative tasks such as warehouse audits and customer support

## PAPER REVIEWER FOR INTERNATIONAL JOURNALS

- Atmospheric Pollution Research
- Brodogradnja
- Building and Environment
- Engineering Review
- Environmental Fluid Mechanics
- Environmental Pollution
- Procedia Environmental Sciences
- Strojarstvo
- Theoretical and Applied Climatology
- Wind and Structures