

# In g . P a v e l F i k a r

## PERSONAL

## INFORMATION

U N 406, Univerzitní 8

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## INTRODUCTION

Ing. Pavel Fikar is a PhD student under double supervision recently working on engineering principles in cellular biology. He finished his master of engineering at the University of West Bohemia in the study program of Electronics and Applied Informatics. He spent one semester at the Université Paris-Est, ESIEE Engineering in Paris, France, following an international master of engineering with a focus on Micro and Nano Technologies.

## EDUCATION

University of West Bohemia in Pilsen, Pilsen, CZ

2012 - Present

Université Paris-Est, Paris, F

Ph.D., Engineering Principles in Cellular Biology

University of West Bohemia in Pilsen, Pilsen, CZ

9/2010 - 6/2012

Master of Engineering, Electronics and Applied Informatics

University of West Bohemia in Pilsen, Pilsen, CZ

9/2007 - 6/2010

Bachelor of Engineering, Electronics and Telecommunications

## ACADEMIC

## EXPERIENCE

Université Paris-Est, Paris, F

9/2011 - 1/2012

International Master of Engineering, ESIEE Paris, ESIEE Engineering

Micro and Nano Technologies

International stage

## TEACHING

## EXPERIENCE

ESIEE Paris, University of East Paris, Paris, F

11/2014 - 12/2014

JOB TITLE: Teaching Assistant

TASK: Guiding group of international student through project focused on design of

MEMS capacitive accelerometer for automotive industry.

Prague Congress Center Inc., Prague, CZ

1/2011 - 6/2012

JOB TITLE: Lecturer of IT

TASK: Education of Prague Congress Center employees in the field of Information Technologies.

## INDUSTRIAL

## EXPERIENCE

ETD Transformers Inc., Pilsen, CZ

10/2009 - 9/2010

JOB TITLE: Designer

COMPANY PROFILE: ETD Transformers Inc. specializes in production of power transformers up to 400 MVA and voltage of 410 kV, chokes for electric tractions and power engineering, as well as in production of reactors.

TASKS: Design of 3D models of oil transformers, project documentation, network administration.

## PUBLICATIONS

P. Fikar, "Standard Methods for Computer Modeling and Simulation of Live Cells Dielectrophoresis," presented at the conference of Electrical Engineering and Informatics, Nectiny, Czech Republic, November 2012.

P. Fikar, V. Babuska, V. Georgiev, G. Lissorgues, L. Rousseau, P. Zach, D. Georgiev, "Dependence of dielectrophoretic forces on membrane proteins," presented at the SB6.0 Conference, London, United Kingdom, July 2013.

P. Fikar, G. Lissorgues, L. Rousseau, O. Francais, B. Le Pioufle, F. S. Hamdi, V. Georgiev, D. Georgiev, "SU8 microchannels for live cell dielectrophoresis improvements," accepted for an oral presentation at the Design, Test, Integration and Packaging of MEMS/MOEMS Symposium, Montpellier, France, April 2015.