

## Personal

Full Name: **Maxim Khalilov**

Date of Birth: 8 January 1979

Place of Birth: St.Petersburg, Russia

Citizenship: Russian

Marital Status: Single

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## Degrees & Education

June 2005 – present **Polytechnic University of Catalonia (UPC)**, Barcelona (Spain)  
PhD student (estimated date of defense: June 2009) at the Signal Theory and Communications Department and TALP research center  
Major: Statistical Machine Translation  
Diploma of Advanced Studies (DEA), June 2007  
Dissertation presentation (estimated) : June 2009

September 2007 – December 2007 **Macquarie University**, Sydney (Australia)  
Intern at Centre for Language Technology  
Major: Syntactical information introduction to the SMT system

September 1996 – June 2002 **Saint-Petersburg State Technical University**, St.Petersburg (Russia)  
Faculty of Engineering Cybernetics  
Information and Measuring Technologies Department  
Specialization *Information Security*

- Master, June 2002
- Bachelor, June 2000

September 1998 – June 2002 **Saint-Petersburg State Technical University**, St.Petersburg (Russia)  
Faculty of Economics and Management  
Information Systems in Economics Department  
Specialization *Stock Market Information Systems*  
Economist-Manager, June 2002

## Work Experience

- June 2005 – present      **Research Assistant**, Polytechnic University of Catalonia (UPC), Barcelona (Spain).
- Full-time PhD student at the TALP Research Centre and Department of Signal Theory and Communications.
  - Research contribution to the large, multi-institutional European and National research initiatives in Machine Translation and Natural Language Processing.
  - Software engineering (under Linux and Windows environments).
  - Participation in several international evaluations campaigns (NIST, WMT, TC-STAR).
  - More than 20 publications, Best Student Paper (the V Biennial Workshop on Speech Technology, Zaragoza (Spain), November 2008).
- April 2003 – May 2005      **Research Assistant**, Institute of Systems and Robotics - University of Coimbra , Coimbra (Portugal).
- Contribution to the EU project "Fuel cells services".
  - Monitoring of the European Sustainable Energy Market.
  - Cost-benefit analysis of the fuel cell installations (methodology and implementation).
  - Cost-benefit analysis software development from scratch.
  - Comparative analysis of energy service options for different European countries.
  - Participation to the analysis of the Distributed Generation Market and assessment of the fuel cell market barriers.
  - Project web-site administration.
  - Reporting to the European Commission (deliverables, reports, etc).
- April 2001 - February 2003      **Marketing manager**, Commercial Research Institute “Protective devices and insulators”, St.Petersburg (Russia).
- Marketing analysis on the state energy market.
  - New customers acquisition.
  - Participation to the production plan elaboration.
- March 2001 - March 1999      **IT specialist**, Central R&D Institute of Robotics and Technical Cybernetics, St.Petersburg (Russia).
- Design of IP-phone billing system.
  - Windows- and Linux-based system administration.
  - Monitoring of master data within information systems.
- October 1998 - February 1999      **FOREX market trader**. Investment company “PABL”, St.Petersburg (Russia).
- Trading on FOREX.
  - Technical and fundamental analyzing of spot market.
  - Determination of factors affecting currency exchange rate.

## Projects

**Fuel cell services** – Providing Energy Services with Fuel Cells in a Liberalized Energy Market

**TC-STAR** - Technology and Corpora for Speech to Speech Translation

**AVIVAVOZ** - Tecnologías para la traducción de voz: reconocimiento, traducción estadística basada en corpus y síntesis.

## Research interests

- Statistical Machine Translation
- Syntax-based Machine Translation
- Syntax-based Algorithms
- Language Modeling
- Natural Language Processing

## Invited talks

October 2007 "**N-gram-based SMT**" at the Centre for Language Technology of the Macquarie University (Sydney, NSW, Australia)

November 2007 "**Syntax and SMT**" at the Malaysia University of Science and Technology (Kuala Lumpur, Malaysia)

## Languages

Russian - native tongue,  
English - fluent (technical English included),  
Spanish – fluent,  
Portuguese – intermediate,  
Catalan – basic.

## Computer skills

Windows-based OSs and most *Microsoft Office* programs, graphic design applications, administration of *Linux*-based computer systems (*bash* scripting and *perl* included), development tools (*C++*) and some experience with *HTML* and *php*.

## Other skills and additional info

High intercultural and communication skills, team work, problem solving and critical thinking. Work tickets for Spain. Driving license.

## Publications

Available on-line: <https://gps-tsc.upc.es/veu/personal/khalilov/>