

MARTIN PENIAK

Address: 7 Headland park

North Hill

Plymouth

PL4 8HS

Date of birth: 13 June 1984

Status: single

Health: excellent, non-smoker

Full clean driving license

Email: martin.peniak@plymouth.ac.uk

Mobile: 07919 577 115

PROFILE

A PhD student of artificial intelligence at The University of Plymouth. Ambitious with a mature approach to life. A strong motivation to academic research and scientific investigation

EDUCATION

2008 – present University of Plymouth – PhD for ITALK project

2005 – 2008 University of Plymouth – BSc Computing

- awarded first class (Hons) degree
- placed on Dean's list for 1st, 2nd and 3rd year's performance

2006 – 2007 University of Manchester – Life in the Universe course

1999 - 2003 High Engineering School -Technological and Informational Systems (A-Level)
Subjects: computing, electronics, engineering, accounting, economy, English, Slovak language

WORK EXPERIENCE

07/2005-09/2008 Interfish Ltd.

- Worked in a packing department and occasionally supervised it

11/2004-07/2005 Museum of Slovak Wildlife

- Worked as a lecturer providing a range of lectures with the emphasis on the protection of nature environment and resources; Cooperated with The Society for Prevention of Cruelty to Animals; Constructed and led several exhibitions; Interviewed by a local radio station

06/2004-07/2004 Becton Dickinson (BD)

03/2004-06/2004 Slovbau s.r.o.

11/2003-02/2004 Baumax s.r.o.

TRAINING

Construction of iCub humanoid robot, assembly of its hardware and use of the relevant software such as YARP and iCub simulator – January 2009, Italian Institute of Technology in Genoa, Italy

RobotCub Summer School – learning of YARP robotic platform, iCub simulator and developing C++ applications for controlling iCub's actions – July 2008, Sestri Levante, Italy

SCIENTIFIC PUBLICATIONS

M.Peniak, A.Cangelosi and D.Marocco (2008). Autonomous robot Exploration of unknown terrain: A preliminary model of Mars Rover robot. Proceedings of 10th ESA Workshop on Advanced Space Technologies for Robotics and Automation (ASTRA 2008), 11-13 November 2008, Noordwijk, The Netherlands

M. Peniak, D. Marocco and A. Cangelosi (2009). Co-evolving controller and sensing abilities in a simulated Mars Rover explorer. *Proceedings of IEEE Congress on Evolutionary Computation (CEC) 2009*, 18-21 May 2009, Trondheim, Norway

M. Peniak, D. Marocco, S. Ramirez-Contla and A. Cangelosi (2009). An active vision system for navigating unknown environments: An evolutionary robotics approach for space research. *Proceedings of IJCAI-09 Workshop on Artificial Intelligence in Space*, 17-18 July 2009. Pasadena, California

GRANTS

euCognition Action Network NA097-5, € 5000. Support of student Martin Peniak for research on autonomous robot exploration in unknown terrains

Student Finance Direct, £ 3625. Funding of undergraduate fee for BSc (Hons) Computing

AWARDS

The 2008 Revell Research Systems Prize for the Top Final Year Student in BSc(Hons) Computing

LANGUAGES

Slovak - mother tongue
English, Czech, Polish, German

SKILLS

Operating systems: Windows, Linux and OSX

Programming languages: C++, C#, Java and Pascal

Research: Open Dynamics Engine for robotics simulation; Use of neural computation and evolutionary computation techniques; Using iCub humanoid robotic platform

Certificates: IELTS - International English Language Testing System, GTA - General Teaching Associates

Other: Experienced user of Microsoft Office products, Macromedia Dreamwaver, Director and Flash

PROFESIONAL MEMBERSHIPS

Student member of The British Computer Society
Callington astronomy society

HOBBIES

Programming, evolutionary robotics, astronomy, astrophotography, quantum mechanics and consciousness, philosophy, reading books, playing didgeridoo and African drums, personal fitness

REFEREES

Angelo Cangelosi	Project supervisor	email: acangelosi@plymouth.ac.uk
Martin Beck	Personal tutor	email: martin.beck@plymouth.ac.uk
Mark Webber	Manager of Interfish Ltd	email: mark@interfish.co.uk