Curriculum Vitae

Name and Surname	**Seweryn KOKOT, PhD Eng.**
Date of birth	19 August 1978
Address	ul. Waryńskiego 9/108, 45-047 OPOLE, Poland
Mobile phone	(+48) 666 251 173
E–mail	sewkokot@gmail.com
Website	http://www.skokot.po.opole.pl
Nationality	Polish
Sex	Male

Professional experience

2008 Jan–May	Experience in the design of reinforced concrete and steel structures (calculations and drawings).
2005–2008	Vibration measurements and evaluation of vibration impact on buildings and people.
2002 Oct–now	Teaching and research assistant at the Department of Structural Mechanics, Faculty of Civil Engineering, Opole University of Technology, Poland.
2005 Jun–Aug	Cooperation with Poburski Dachtechnik.
2002–2008	Participation in five expert opinions on structures under mining bursts.

Education

2002–2007	PhD Eng., Faculty of Civil Engineering, Opole University of Technology, Opole, specialisation: Structural Dynamics, PhD thesis (defended with honours): Application of genetic algorithms in dynamic identification of damage distributions in beams and frames.
1997–2002	MSc., Faculty of Civil Engineering, Opole University of Technology, Opole, specialisation: Building and engineering structures, MSc thesis: Vibration mitigation of tall buildings with tuned mass dampers under wind excitation.

Research grants

2005–2007	Grant for PhD students financed by Polish State Committee for Scientific Research in Warsaw, Poland, Title: Damage detection of civil engineering structures using vibration measurements. (18 months)
2006 Sep	Conference grant (registration fee, accommodation at the University dormitory, financial contribution) for young participants of the First European Conference on Earthquake Engineering and Seismology in Geneva, 3-8 September 2006.
2002–2003	"Marie Curie" research grant at European Laboratory of Structural Assessment, Joint Research Center, Ispra, Italy (12-month stay).

Courses

2008 Jun	Third International Summer School on Full-Scale and Model-Scale Studies of Dynamical Behaviour and Modal Analysis of Structures, Otmuchow.
2005 Oct	International Course: Dynamic methods for damage detection in structures, Udine, Italy.
2004 Jul	First International Summer School on Full-Scale and Model-Scale Studies of Dynamical Behaviour and Modal Analysis of Structures, Otmuchow.
2003 Oct	International Course: Parameter Identification of Materials and Structures, Udine, Italy.
2003	Six–month Italian course, Ispra, Italy
1999 Aug	One–month French course, Grenoble, France.

Computer Skills

Applications: AutoCad, Robot, Sap2000, Castem, Matlab, Octave, Corel Draw, Inkscape, Gimp, Word, Excel, Power Point, LaTeX, Emacs.
Programming languages: Matlab, Castem, Fortran, Python, Html (xhtml), Php, Emacs Lisp.
Operating systems: GNU/Linux, Windows.

Languages

English – very good in speaking and writing.
French – good in speaking and writing.
Italian – basics in speaking and writing.
Polish – mother tongue.

Publications in peer reviewed journals

1. S. Kokot, Z. Zembaty, Damage reconstruction of 3D frames using genetic algorithms with Levenberg - Marquardt local search, Soil Dynamics & Earthquake Engineering, Elsevier, 2009, 29(2):311-323.
2. S. Kokot and Z. Zembaty. Reconstruction problem of reinforced concrete beams under harmonic excitations. Key Engineering Materials, Trans Tech Publications Ltd, 347:691-696, 2007.
3. S. Kokot and Z. Zembaty. Structural damage detection and localisation by vibration measurements and numerical methods. Inzynieria i Budownictwo (Engineering and Structures), 62(4):215-218, 2006 (in Polish).
4. S. Kokot. Effectiveness analysis of selected damage detection methods in beam structures. Zeszyty Naukowe Politechniki Śląskiej (Scientific Bulletins of Silesian University of Technology), 102:201-208, 2004 (in Polish).

Publications in conference proceedings

1. S. Kokot and Z. Zembaty. Vibration based seismic damage reconstruction of r/c structures. In First European Conference on Earthquake Engineering and Seismology, (a joint event of the 13th ECEE & 30th General Assembly of the ESC), Geneve, Switzerland, 2007.
2. S. Kokot and Z. Zembaty. Reconstruction of stiffness distribution of beams using vibration measurements. In Pięćdziesiąta Trzecia Konferencja Naukowa Komitetu Inżynierii Lądowej i Wodnej PAN i Komitetu Nauki PZITB, volume 2, pages 479-486, Krynica (Poland), 2007 (in Polish).
3. S. Kokot and Z. Zembaty. Comparison of the effectiveness of two damage detection and localisation methods in beam structures. In Pięćdziesiąta Konferencja Naukowa Komitetu Inżynierii Lądowej i Wodnej PAN i Komitetu Nauki PZITB, pages 85-92, Krynica (Poland), 2004 (in Polish).

Technical reports

1. Z. Zembaty, T. Chmielewski, M. Kowalski, and S. Kokot. Determination of kinematic excitations from mine shocks in the LGOM region including the assessment of their destructiveness based on velocities and displacements. Technical report for the Consortium of Polish Copper Mines in Lubin, Poland. Part I - Concept of Response Spectrum, Opole University of Technology, Opole 2004.
2. Z. Zembaty, T. Chmielewski, M. Kowalski, and S. Kokot. Modal analysis of buildings under mine induced vibrations - report for the Authorities of the Copper Mine „Rudna" in Polkowice, Poland, Technical report, Opole University of Technology, Opole 2002.

Awards

2000 Oct — Prof. Attwood's award for best student of the Faculty of Civil Engineering, Technical University of Opole.

Interests and hobby

Structural mechanics, structural dynamics (numerical integration of the equation of motion), structural damage detection, computer aided design, vibration measurements of structures, optimisation methods (genetic algorithms).
Riding a bike, reading scientific essays, programming in Matlab and Python, writing extensions for Emacs in Emacs Lisp.