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CURRICULUM VITAE

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EDUCATION: Institute of Civil Engineering
Technical University of Koszalin, Poland
(October 1975 - December 1979)

ACADEMIC QUALIFICATIONS:

Degree	Date	Institution
M.Sc in Civil Engineering	1979	Institute of Civil Engineering Technical University of Koszalin,
Ph.D	1989	Civil Engineering Faculty, Gdansk Technical University

LANGUAGE AND DEGREE OF PROFICIENCY:

English - Fluent speaking
Italian - Fluent speaking
Russian - Technical reading knowledge

EMPLOYMENT RECORD:

January 1979 - February 1981	Employed in Technical University of Koszalin , Structural Mechanics Department, as an Assistant
February 1981 - December 1989	as above, Senior Assistant
January 1990 - present	as above, Assistant Professor
October 1993 - October 1997	Head of the Faculty Computer Centre
November 1994 - June 1996	Vice Dean of Civil and Environmental Engineering Faculty, Technical University of Koszalin

RESEARCH EXPERIENCE:

October 1984 - June 1985	On the leave at Gdansk Technical University. Preparation for a doctoral dissertation at the Faculty of Civil Engineering. The title of the dissertation was "The dynamics of long-span structures under kinematic excitation from a subsoil". It was presented and accepted in December 1989 at the Civil Engineering Faculty, Technical University of Gdansk.
January 1992 - August 1992	Scholarship at the Technical University of Milan, Italy (<i>Structural Engineering Department</i>) in Prof. Giulio Maier research group. Investigations on the computer analysis of dynamic response of sandwich structures due to underwater explosions and other impulsive loading. Results of entire research were published in appropriate Technical Report and presented in papers and articles.
October 1992 - June 1993	On the leave at the Technical University of Milan, carrying out former topics with cooperation with SNAMPROGETTI Milan. As above, results were also presented in papers and articles.

- August 2001 - November 2002 Postdoctoral contract at the FAMU-FSU College of Engineering (Tallahassee, USA). Study on trajectories of vehicles traversing the street curbs, commissioned by Florida Department of Transportation, and performed in the *Crashworthiness and Impact Analysis Laboratory* under supervision of prof. Jerry W. Wekezer. Final Report " Vehicle Trajectories Resulting from Traversing Florida DOT Curb".
- February 2005 - December 2005 Postdoctoral contract at the FAMU-FSU College of Engineering (Tallahassee, USA). Study on crashworthiness of paratransit buses, commissioned by Florida Department of Transportation. Final Report "Crashworthiness and Safety of Public Transit Buses".

MEMBERSHIP OF SCIENTIFIC AND PROFESSIONAL SOCIETIES:

Polish Academy of Sciences, The Committee of Civil Engineering and Hydroengineering, Section of Structural Mechanics and Materials

EUROMECH - European Mechanics Society

PTMKM - Polish Association for Computational Mechanics

PZITB - Polish Union of Civil Engineers and Technicians

EDITORIAL BOARDS

Advances of Transportation Studies, Rome

REFERENCES

1. K. Cichocki, "Dynamics of long span structures under kinematic excitation from the subsoil", Proc. of X Polish Conference "Computer Methods in Mechanics", Swinoujscie, 14-17 May 1991, 85-91;
2. K.Cichocki, G.Maier, U.Perego, "Analisi degli effetti strutturali di esplosioni su una struttura sommersa", Technical Report, Dipartimento di Ingegneria Strutturale, Politecnico di Milano, Italy, April 1993 (in Italian);
3. K.Cichocki, G.Maier, U.Perego, "Esperienze computazionali in dinamica veloce nonlineare" Proc. of Conference "Settimo Convegno Italiano di Meccanica Computazionale", Trieste, Italy, June 1993 (in Italian);
4. K.Cichocki, G.Maier, U.Perego, "On dynamic analysis of hybrid (steel - concrete) structures subjected to explosion", 8th DYMAT Technical Conference, CEC Joint Research Centre, Ispra, Italy, October 1993;
5. K.Cichocki, G.Maier, U.Perego, "Analysis of cylindrical shell damages due to underwater explosion", Proc. Conference "Impulsive loading resistance of structures", Gdynia, Poland, November 1993 (in Polish);
6. K.Cichocki, G.Maier, U.Perego, "Analysis of damages due to underwater explosions on a hybrid structures", International Journal for Engineering Analysis and Design, Vol 1, 1994, 341-361;
7. K.Cichocki, "Computer analysis of dynamic response due to underwater explosion on a hybrid structure", ABAQUS Users' Conference, Newport, USA, June 1-3, 1994, 207-220;
8. K. Cichocki, "Computer simulation of an underwater explosion", XII Conference "Poliptymalization and Computer Aided Design", Mielno, Poland, June 1994 (in Polish);
9. K. Cichocki, G. Maier, U.Perego, "On numerical simulations of explosions on sealines", 9th DYMAT Technical Conference, TUM Munich (Germany), October 1995;
10. K.Cichocki, J.Filipkowski, "Vibration of kinematically excited continuous long-span Timoshenko beams", Zeszyty Naukowe Politechniki Gdańskiej, Nr 520, Budownictwo Lądowe, 1995, 49-59;
11. R. Adamczyk, K. Cichocki, M. Ruchwa, "Computer simulation of the underwater shock response of a cylinder subjected to a far-field explosion", XIII Polish Conference „Computer Methods in Mechanics”, Poznań 5-8 May, 1997;

12. R. Adamczyk, K. Cichocki, M. Ruchwa, 'Analysis of the Shock Response of an Underwater Structure Subjected to a Far-Field Explosion', ABAQUS Users' Conference, Milan 4-6 June, 1997;
13. K.Cichocki, U.Perego, 'Rectangular Plates Subjected to Blast Loading: the Comparison Between Experimental Results, Numerical Analysis and Simplified Analytical Approach', 5th International Conference on Mechanical and Physical Behaviour of Materials under Dynamic Loading „EuroDYMAT 97”, Toledo, 22-26 September 1997;
14. R. Adamczyk, K. Cichocki, M. Ruchwa, 'Numeryczna symulacja odpowiedzi dynamicznej budowli podwodnych obciążonych wybuchem', VIII Sympozjum „Wpływy sejsmiczne i parasejsmiczne na budowle”, Kraków, 13-14 November 1997;
15. R. Adamczyk, K. Cichocki, M. Ruchwa, „Effect of protective coating on underwater structure subjected to an explosion”, International Conference on Computational Modelling of Concrete Structures „Euro-C”, Badgastein (Austria), April 1998;
16. R. Adamczyk, K. Cichocki, M. Ruchwa, „Odpowiedź konstrukcji inżynierskich na działanie nagłych obciążeń”, Zeszyt Naukowy z okazji XXX-lecia Wydziału Budownictwa i Inżynierii Środowiska, Zeszyty Naukowe WBIIŚ, Nr 13, Koszalin 1998;
17. . Adamczyk, K. Cichocki, M. Ruchwa, „Numerical analysis of blast loaded reinforced concrete beam”, XVI Ogólnopolska Konferencja Polioptymalizacja i Komputerowe Wspomaganie Projektowania”, Mielno 1998;
18. R. Adamczyk, K. Cichocki, M. Ruchwa, „Dynamics of structures with concrete protective coating subjected to explosion”, 32nd Solid Mechanics Conference „SolMec '98”, Zakopane 1998;
19. R. Adamczyk, K. Cichocki, M. Ruchwa, „Analysis and Application of Protective Shield Structures”, The 6th Conference „Shell Structures, Theory and Applications”, Gdańsk - Jurata, październik 12-14, 1998;
20. R. Adamczyk, K. Cichocki, „Kształtowanie zewnętrznych powłok zabezpieczających przed skutkami wybuchu podwodnego”, II Konferencja Naukowo-Techniczna „Odporność Udarowa Konstrukcji”, Rynia 9-11 grudnia, 1998;
21. R. Adamczyk, K. Cichocki, G.Maliszewski, „Symulacja numeryczna testu Hopkinsona”, II Konferencja Naukowo-Techniczna „Odporność Udarowa Konstrukcji”, Rynia 9-11 grudnia, 1998;
22. K.Cichocki, „Analysis of protective shell structure subjected to impulse loading due to an explosion”, Proceedings of 11th DYMAT Conference, Dijon, France, 15-16 October, 1998;

23. K.Cichocki, R.Adameczyk, M.Ruchwa, „Material modelling for structures subjected to impulsive loading”, *Computer Assisted Mechanics and Engineering Sciences*, **6**, 1999, pp. 231-244;
24. K.Cichocki, „Effects of underwater blast loading on structures with protective elements”, *International Journal of Impact Engineering*, **22**, 1999, pp. 609-617;
25. K.Cichocki, „An Implementation of Rate - Dependent Material Model for Concrete into ABAQUS/Explicit”, *Proceedings of ABAQUS Users' Conference*, Chester, Great Britain, 26-28 May, 1999;
26. K.Cichocki, M.Ruchwa, "Numerical Analysis of Concrete Slab Subjected to Blast Loading", *Proceedings of European Conference on Computational Mechanics (ECCM 2001)*, 26-29 June 2001, Kraków;
27. K.Cichocki, M.Ruchwa, "Dynamic Response of Concrete Slab to a Blast Load", XIX Ogólnopolska Konferencja Polioptymalizacja i Komputerowe Wspomaganie Projektowania”, Mielno 2001;
28. K.Cichocki, "Material modelling in analysis of concrete structures subjected to impulsive loading", *ABAQUS Users' Conference*, 20 May - 1 June 2001, Maastricht;
29. Jerry W. Wekezer, Krzysztof Cichocki, *Computer Analysis of Vehicle Trajectories*, *Proceedings of XXI SECTAM Conference “Developments in Theoretical and Applied Mechanics”*, Orlando, May 19-21, 2002, pp. 121-129 ;
30. Jerry W. Wekezer, Krzysztof Cichocki, *Application of LS-DYNA in Numerical Analysis of Vehicle Trajectories*, *Proceedings of 7th International LS-DYNA Users' Conference*, Dearborn, May 19-21, 2002;
31. K.Cichocki, J.W.Wekezer, *Numerical analysis and experimental verification of vehicle trajectories*, *Proceedings of 15th International Conference on Computer Methods in Mechanics CMM-2003*, Gliwice/Wisła, June 3-6, 2003, pp.101-102;
32. J.W.Wekezer, K.Cichocki, *Numerical analysis and experimental verification of vehicle trajectories*, *J.Phys. IV France*, **110**, 2003, pp. 377-382;
33. K.Cichocki, J.W.Wekezer, *Vehicle trajectories resulting from traversing FDOT street curb. Numerical analysis and experimental verification*, *Advances in Transportation Studies*, Universita' di Roma III, 2003, Vol. **1**, pp. 51-61;

34. Cichocki K., Garbowski T., Adamczyk R.: Crashworthiness of prestressed concrete poles impacted by a vehicle, XIX Ogólnopolska Konferencja "Poliptymalizacja i Komputerowe Wspomaganie Projektowania", Mielno, Poland, 2006;
35. Cichocki K., Numerical Analysis of Concrete Structures under Blast Load, Monograph, Technical University of Koszalin, 2007;
36. Cichocki K., Rate dependent effects in impulsively loaded concrete structures, I Congress of Polish Mechanics, Warsaw 2007;
37. Cichocki K., Wekezer J.W., Structural response of paratransit buses in rollover accidents, International Journal of Crashworthiness, 2007;
38. Kwaśniewski L., Siervogel J., Bojanowski C., Cichocki K., Wekezer J.W., Crash and safety analysis of a paratransit bus, Journal of Impact Engineering, 2007