

Name and Contact Details:

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Career Profile (Education and Employment)**Academic Career**

2004-present Professor of Engineering Mechanics, UCD SMME
 2012-present Director of Mech. Eng. Programs, UCD
 2010-present Director of Centre for Adhesives and Adhesion, UCD SMME
 2006-2011 Head of Mechanical Engineering, UCD SMME
 2001-2004 Senior Lecturer, Imperial College London
 1994-2001 Lecturer, Imperial College London
 1991-94 Postdoctoral Research Associate, Imperial College London
 1983-87 Assistant Lecturer, University of Sarajevo

2014-present Visiting Professor, Imperial College London
 2014-present Head of Structural Adhesives Division of Adhesion Society
 2010-present Coordinates international Mixed-Mode Round Robin (under ESIS TC4)
 2010-present IComp steering board

Education

1987-1991 PhD, Mechanical Engineering, Imperial College London
 1985-1987 MSc Mechanical Engineering, University of Zagreb (5/5), not completed due to commencement of PhD study in 1987
 1983-1987 MEng, Mechanical Engineering, University of Sarajevo (9.3/10, 1st in Class)

Details of Most Relevant Research Funding as Lead/Co-Applicant

Around €6M research funding over last 10 years (~60% Exchequer, ~30% Industry, ~10% EU). Ten selected grants examples as PI:

Role	Grant Title	Source	Direct Costs	Dates
PI	Towards Early Diagnosis of Atherosclerosis	SFI	€219k	2004-07
PI	Injuries to Lungs from High Rate Impact	SFI	€215k	2006-09
PI	High Performance Computer Cluster	SFI	€448k	2007
PI	Next Generation PCD for High Performance Cutting	EI/E6	€396k	2007-10
PI	Science and Eng. of Advanced Composites	EI/Industries	€411k	2009-10
PI	Composite and Metal Adhesive Joints	IComp	€304k	2011-13
PI	Materials by Design	EI/E6	€155k	2011-13
PI	Benzoxazine Adhesives and Composites	Henkel	€189k	2012-13
PI	HPRTM, PRTL15 Equipment Fund	HEA	€317k	2013-14
PI	ELEVATE Marie Curie Fellowship	IRC	€276k	2014-17

History of Mentoring and Supervision

Current MSc	Current PhD	Current Post-doctoral staff	Previous MSc	Previous PhD	Previous Post-doctoral staff
4	7	5	17	18	13

Over the past 10 years 55% of my PhD graduates have gone on to industry and 45% have taken on other academic roles. 30% of these graduates are based internationally with the majority remaining in Ireland.

Innovation/Commercialisation Activity

Invention Disclosures #	Patents (Applied) #	Patents (Granted) #	Licences to Industry #	Spin Outs #	Industry Funding €
3	1(1108967.9, E6/UCD)	0	1	1 (in process)	€1.8M

Long term collaborations have been established with Henkel and E6. Additional considerable interactions with industry have been achieved via IComp interactions (Tyco, Bombardier).

Selected Publications

Total Publications: 275	Senior Author Publications: 55	h-Index: 17	Total number of citations: 830	Source of citation data: Google Sch.	Journal Articles: 71
Reviews: #	Book Chapters: 4	Books: #	Peer Review Conference Publications 200	Edited Conference Proceedings#	Other: #

*Ivankovic, A., Demirdzic, I., Williams, J. G., Leever, P. S., Application of the Finite Volume Method to the Analysis of dynamic Fracture Problems, *International Journal of Fracture* **66** (1994), 357-371. Impact factor 1.250, citation 34.

Djapic-Ooesterkamp, L., *Ivankovic, A. and Venizelos, G. P., High Strain Rate Properties of Selected Aluminium Alloys, *Materials Science and Engineering A*. **278** (2000), 225-235. Impact factor 2.349, citation 81.

*Ivankovic, A., Karac, A., Dendrinos, E. and Parker, K., Towards Early Diagnosis of Atherosclerosis: The Finite Volume methods for Fluid-Structure Interaction, *Biorheology* **39** (2002), 401-407. Impact factor 1.293, citation 20.

*Ivankovic, A., Pandya, K. and Williams, J. G., Crack Growth Predictions in Polyethylene using measured Traction – Separation Curves, *Engineering Fracture Mechanics* **71** (2004), 657-668. Impact factor 1.413, citation 28.

Murphy, N. and *Ivankovic, A., The Prediction of Dynamic Fracture Evolution in PMMA using a Cohesive Zone Model, *Engineering Fracture Mechanics* **72** (2005), 861-875. Impact factor 1.413, citation 35.

Kanyanta, V., *Ivankovic, A. and Karac, A., Validation of a fluid-structure interaction numerical model for predicting flow transients in arteries. *Journal of Biomechanics* **42** (2009), 1705-1712. Impact factor 2.716, citation 28.

Kanyanta, V., *Ivankovic, A., Mechanical Characterisation of Polyurethane Elastomer for Biomedical Applications, *Journal of the Mechanical Behavior of Biomedical Materials* **3** (2010), 51-62. Impact factor 2.368, citation 26.

Carolan, D., Alveen, P., *Ivankovic, A. and Murphy, N., Effect of notch root radius on the fracture toughness of polycrystalline cubic boron nitride, *Engineering Fracture Mechanics*, **78** (2011), 2885-2895. Impact factor 1.413, citation 7.

Karac, A., Blackman, B. R. K., Cooper, V., Kinloch, A. J., Rodriguez Sanchez, S., Teo, W. S., *Ivankovic, A., Modelling the fracture behaviour of adhesively-bonded joints as a function of test rate, *Engineering Fracture Mechanics* **78** (2011), 973-989. Impact factor 1.413, citation 17.