

INFORMATII PERSONALE

Anghel Vasile Cernescu



Sex : M | Date de nastere:

Nationalitate: Romana

POZITIA

Membru in Consiliul Departamentului MRM

EXPERIENTA PROFESIONALA

- | | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01.10.2021 - prezent | Conferentiar
Departamentul de Mecanica si Rezistenta Materialelor, Universitatea Politehnica Timisoara, Romania
• Predare curs, laboratoare si proiecte la Domeniul Inginerie Mecanica
Domeniul de activitate: Educatie si cercetare |
| 01.07.2020 – 01.10.2021 | Sef de lucrari
Departamentul de Mecanica si Rezistenta Materialelor, Universitatea Politehnica Timisoara, Romania
• Predare curs, laboratoare si proiecte la Domeniul Inginerie Mecanica
Domeniul de activitate: Educatie si cercetare |
| 01.07.2018 – 30.06.2020 | Cercetator Marie-Curie
Facultatea de Inginerie, Universitatea din Cardiff
• Degradarea prin oboseala a otelurilor de inalta rezistenta folosind tehnica emisiei acustice
Domeniul de activitate: Educatie si cercetare |
| 01.05.2017 - 01.05.2018 | Cercetator postdoctoral
Universitatea Libera Bruxelles, Belgia
• Mecanica si oboseala materialelor compozite
Domeniul de activitate: Educatie si cercetare |
| 01.10.2014 – 30.04.2017 | Sef de lucrari
Departamentul de Mecanica si Rezistenta Materialelor, Universitatea Politehnica Timisoara, Romania
• Predare curs, laboratoare si proiecte la Domeniul Inginerie Mecanica
Domeniul de activitate: Educatie si cercetare |
| 15.01.2013 – 30.09.2014 | Cercetator postdoctoral
Departamentul de Mecanica Aplicata, Universitatea Aalto, Finlanda
• Mecanica si oboseala structurilor sandwich metalice
Domeniul de activitate: Educatie si cercetare |

01.05.2010 – 15.01.2013 Cercetator postdoctoral
 Departamentul de Mecanica si Rezistenta Materialelor, Universitatea Politehnica Timisoara, Romania

- Oboseala si ruperea materialelor dentare, Scanare si Inginerie Inversa, analize FEM

Domeniul de activitate: Educatie si cercetare

01.10.2009 – 01.05.2010 Assistant Professor
 Departamentul de Mecanica si Rezistenta Materialelor, Universitatea Politehnica Timisoara, Romania

- Predare seminarii si laboratoare de Rezistenta Materialelor

Domeniul de activitate: Educatie si cercetare

EDUCATIE SI TRAINING

01.10.2006 – 30.09.2009 Doctor in Stiinte Ingineresti
 Departamentul de Mecanica si Rezistenta Materialelor, Universitatea Politehnica Timisoara, Romania

- Oboscaia si ruperea materialelor, tolerarea defectelor.

01.10.2001 – 01.07.2003 Inginer diplomat
 Facultatea de Mecanica, Universitatea Politehnica Timisoara, Romania

- Mecanica si Rezistenta Materialelor, Organe de Masini, Metoda Elementelor Finite, Modelare CAD.

APTITUDINI PERSONALE

Limba materna Romana

Alte limbi

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Interactiune	Comunere	
Engleza	C1/C2	C1/C2	C1/C2	C1/C2	B1/B2
French	B1/B2	B1/B2	B1/B2	B1/B2	B1/B2

Aptitudini comunicationale

- Bune aptitudini de comunicare dobandite odata cu experienta in predare.

Aptitudini organizationale/manageriale

- Bune aptitudini organizationale dobandite ca urmare a participarii in proiecte de cercetare, ca membru de echipa sau responsabil.

Aptitudini raportate la job

- In cadrul activitatii de predare si cercetare am dobandit cunostinte teoretice si experimentale cu privire la comportarea mecanica a materialelor si structurilor. Am dobandit aptitudini si cunostinte care contribuie la imbunatatirea profilului meu profesional de profesor universitar si cercetator.

Alte aptitudini

- Bune cunostinte de utilizare a programelor: Microsoft Office, CAD software (CATIA, Solid Works, Solid Edge), FEM softwares (Abaqus, Ansys, Cosmos).

Permis de conducere B

- Publicatii
- Anghel Cernescu, Ion Dumitru, Lorand Kun, *Multiaxial fatigue damage prediction in a proportional loading cycle*, The Romanian Journal of Technical Sciences - Applied Mechanics, vol. 65(1), pp. 68-83, 2020;
 - B. R. Murray, K. A. Kalteremidou, D. Carrella-Payan, Anghel Cernescu, D. Van Hemelrijck, *Failure characterisation of CF-epoxy V-shape components using digital image correlation and acoustic emission analyses*, Composite Structures, 236, 111797, 2020;
 - B. R. Murray, S. Fonteyn, D. Carrella-Payan, K.-A. Kalteremidou, Anghel Cernescu, D. Van Hemelrijck, L. Pyl, *Crack tip monitoring of mode I and II delamination in CF-Epoxies under static and dynamic loading conditions using digital image correlation*, Proceedings, MDI, 2(8), 389, 2018;
 - K.-A. Kalteremidou, E. Tsangouri, Anghel Cernescu, B. R. Murray, L. Pyl, D.G. Aggelis, D. Van Hemelrijck, *Static and fatigue damage characterization of carbon-epoxy angle-ply laminates with the use of acoustic emission and online microscopy*, Proceedings, 2(8), 392, 2018;
 - S.G. Mihali, S. Canjau, Anghel Cernescu, C.M. Bortun, H.L. Wang, E. Bratu, *Effects of a short drilling implant protocol on osteotomy site temperature and drill torque*, Implant Dentistry, 27(1): 63-68, 2018;
 - C. Dumitru, Anghel Cernescu, I. Eremici, C.M. Bortun, D. Achiriloaiei, *Fatigue behavior of two acrylic denture base resins*, Materiale Plastice, 55(4): 567-570, 2018;
 - A.C. Murariu, Anghel Cernescu, I.A. Perianu, *The effect of saline environment on the fatigue behaviour of HVOF-sprayed WC-CrC-Ni coatings*, Surface Engineering, 34(10): 755-761, 2018;
 - Anghel Cernescu, *The influence of crack tip shielding on fatigue crack propagation*, Frattura Ed Integrita Strutturale, 41: 307-313, 2017;
 - Anghel Cernescu, J. Romanoff, *Bending deflection of sandwich beams considering local effect of concentrated force*, Composite Structures, 134: 169-175, 2015;
 - Anghel Cernescu, J. Romanoff, H. Remes, N. Faur, J. Jelovica, *Equivalent mechanical properties for cylindrical cell honeycomb core structure*, Composite Structures, 108(1): 866-875, 2014;
 - Anghel Cernescu, L. Marsavina, I. Dumitru, *Structural integrity assessment for a component of the bucket-wheel excavator*, International Journal of Structural Integrity, 5(2): 129-140, 2014;
 - Anghel Cernescu, I. Dumitru, N. Faur, N. Branzei, R. Bogdan, *The analysis of a damaged component from the connection system of the wagons*, Engineering Failure Analysis, 29: 93-107, 2013;
 - C. Sinescu, L. Marsavina, Anghel Cernescu, *Asymptotic stress field for the interface between teeth and different restorative materials*, Computational Materials Science, 59:57-64, 2012;
 - C.M. Bortun, Anghel Cernescu, L. Ardelean, *Mechanical properties of some dental resins in wet and dry conditions*, Materiale Plastice, 49(1): 5-8, 2012;
 - Anghel Cernescu, N. Faur, C.M. Bortun, C. Nes, *Fatigue crack growth rate in acrylic resins under variable amplitude loading*, Theoretical and Applied Fracture Mechanics, 56(1): 58-61, 2011;
 - Anghel Cernescu, N. Faur, C.M. Bortun, M. Hluscu, *A methodology for fracture strength evaluation of complete denture*, Engineering Failure Analysis, 18(5): 1253-1261, 2011;
 - Chincea, Anghel Cernescu, L. Marsavina, V.A. Serban, *Fatigue damage evolution in laminate composites with balsa wood*, Cellulose Chemistry and Technology, 45(5-6): 421-426, 2011;
 - L. Marsavina, Anghel Cernescu, E. Linul, D. Scurtu, C. Chirita, *Experimental determination and comparison of some mechanical properties of commercial polymers*, Materiale Plastice, 47(1): 85-89, 2010;