

Anexa CV – Savu Sorin Vasile

PROIECTE INTERNAȚIONALE

1. Director/Responsabil de proiect

- a. **Program South East Europe:** SEE/D/ 0080/3.2/X - Harmonized Inland Navigation Transport through education and information technology, HINT, 2012 – 2014
- b. **Program Erasmus+:** 2018-1-RO01-KA202-049218 - Innovative digital tools for training in the field of welding, DIGIWELD, 2018 – 2021
- c. **Program Erasmus+:** 2020-1-HR01-KA226-VET-094650 - Digital reality - the basis of skills training, DRinVET, 2021-2022

2. Membru in echipa de implementare

- a. **Program South East Europe:** SEE AF/A/223/3.2/X – Cooperation - Network for logistics and nautical education focusing on Inland Waterway Transport in the Danube corridor supported by innovative solutions, NELI, 2009 – 2012
- b. **Program H2020:** H2020-MG-2014, SEP-210181740 – Promoting Innovation in the Inland Waterways Transport Sector, PROMINENT, 2015 – 2018
- c. **Program DG MOVE TENDER:** MOVE/B3/SER/2015-224/SI 2.721484 - Study on support measures for the implementation of the TEN-T core network related to sea ports, inland ports and inland waterway transport. Lot 1: Assessment of potential of maritime and inland ports and inland waterways and of related policy measures, 2016 – 2017
- d. **Program TEN-T:** 2012-EU-18067-S- LNG Masterplan for Rhine-Main-Danube, LNG, 2012 – 2015
- e. **Program INTERREG:** DTP-SMF1-95 Transnational Cooperation in Higher Education in the Danube Region, EDUMARKT, 2018 – 2019
- f. **Program NATO SPS:** SPS 5580 – Creation of New Generation Titanium Diboride Composite Armour Material, ARMPROT, 2019 – 2022
- g. **Program Erasmus+:** 2016-1-NL01-KA202-022981 - Competency Based Inland Waterway Transport Education & Training, IWTCOMP, 2016 – 2019
- h. **Program Erasmus+:** 2019-1-RO01-KA203-063486 - Digital Manufacturing Master Degree to set specialists for the dawn of the Industry 4.0, DIGIMAN, 2019 – 2021
- i. **Program Erasmus+:** 601165- EPP-1-2018-1-NL-EPPKA2-SSA - Competence Based Education and Training for Inland Navigation, COMPETING, 2018 – 2021
- j. **Program Erasmus+:** 2018-1-RO01-KA202-049371 – Logistics technologist (LOT) – new harmonized qualification to unify, regulate and optimize in an innovative concept the disparate logistics activities from a fabrication system, LOGIN, 2018 – 2021
- k. **Program Erasmus+:** E+ 2016-1-RO01-KA202-024494 - Microbonding - new opportunity for people with educational difficulties to access jobs in materials joining technologies, MICROBOND, 2016 – 2018
- l. **Program Erasmus+:** 2014-1-RO01-KA202-002913 - Implementation of the guidelines for mechanized, orbital and robotized welding personnel, FUTUREWELD, 2014 – 2016

PROIECTE NAȚIONALE

1. Director/Responsabil de proiect

- a. **Program PN III:** PN-III-P2-2.1-CI-2017-0088- Optimizarea elementelor constructive ale sistemelor de protecție și comutație electrică în vederea îmbunătățirii duratei de viață a produsului, REACTIV, 2017
- b. **Program PNCDI I:** TD-330 - Senzori nanostructurați pentru sistemele de sudare hibridă laser-arc, 2007-2008

2. Membru in echipa de implementare

- a. **Program PN III:** PN-III-P1-1.2-PCCDI-2017-0875 – Sisteme de protecție individuală și colectivă pentru domeniul militar pe bază de aliaje cu entropie ridicata - HEAPROTECT, 2018-2020
- b. **Program PN III:** PN-III-P2-2.1-PED-2019-3090 – Produs nou fabricat prin imprimare 3D pe bază de extrudare din biodeseuri marine – 3DBIOPRO, 2020 – 2022
- c. **Program PN III:** PN-III-P2-2.1-PED-2019-3022 - Sistem robotic modular inovativ pentru recuperarea medicală a monoparezei brahiale – NeuroAssist, 2020-2022
- d. **Program CEEX:** C85 - Dezvoltarea cunoașterii asupra elaborării și microprocesării prin metalurgia pulberilor a materialelor nanostructurate pentru componente MEMS, PRONANOMAT, 2006-2009
- e. **Program CEEX:** C235 - Centru virtual pentru tehnologii integrate cu aplicații ale energiei electroultraacustice în ingineria materialelor avansate, ULTRATECH, 2006-2009
- f. **Program CEEX:** C236 - Microstraturi plurifuncționalizate pentru acoperirea aliajelor de titan prin tehnologii avansate, MICROFUNCTIA, 2006-2009
- g. **Program PNCDI II:** Sisteme de microimbinare pentru elemente de circuit și încapsulare ale microsenzorilor și actuatorilor, MICROWELD, 2007-2010

LISTĂ LUCRĂRI ȘTIINȚIFICE

An	Articole publicate în jurnale	Indexat
2008	Balasoiu, M; Craus, M.L.; Kuklin, A.I.; Plestil, J.; Haramus, V.; Islamov, A.H.; Erhan, R.; Anitas, E.M.; Lozovan, M.; Tripadus, V.; Petrescu, C.; Savu, D.; Savu, S; Bica, I – Microstructure of magnetite doped elastomers investigated by SAXS and SANS, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 10 Issue: 11 Pages: 2932-2935 Published: NOV 2008	ISI
2008	Balasoiu, M; Anitas, E.M.; Bica, I; Erhan, R; Osipov, V.A.; Orelovich, O.L.; Savu, D.; Savu, S; Kuklin, A.I. - SANS of interacting magnetic micro-sized Fe particles in a Stomaflex creme polymer matrix, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 2 Issue: 11, Pages: 730-734 Published: NOV 2008, WOS:000261406600014	ISI
2009	A. Ionescu, I.D. Savu, S.V. Savu, D. Coman - Computational features of flow modeling in nanostructured sensor, AIP Conference Proceedings, Volume 1117, pp. 125-132 (2009), DOI: http://dx.doi.org/10.1063/1.3130614	ISI
2009	S. Savu – Imbinarea si microimbinarea in plasma de microunde a conductorilor electrici, Revista SUDURA, ISSN 1453-0384, B+, 2009	BDI
2009	V. Birdeanu, D. Dehelean, S. Savu – Laser-TIG hybrid micro-welding process developments, revista BID-ISIM (B+), ISSN 1453-0392	BDI
2010	Savu, I.D., Savu, S.V., Ciupitu, I., Mangra, G., Grecu, V. – Through-the-arc sensing for two-wires GMA Welding of aluminum basement of the flight simulators for sportsmen training, Journal of International Scientific Publication: Materials, Methods & Technologies, 2010	BDI
2010	Savu, S.V., Mangra, G., Ciupitu, I., Savu, I.D., Gherasim, N. – Thermal field analysis in Microwave Sintering process of Barium ferrites for Ping-Pong Table's sensor, Journal of International Scientific Publication: Materials, Methods & Technologies, 2010	BDI
2010	Savu, I.D., Ciupitu, I., Birdeanu, V., Savu, S.V. - Laser welding of low friction nanostructured sintered composites: technical and environmental aspects, Int. J. Microstructure and Materials Properties, Vol. 5, No. 2/3, 2010, Pp 261-275 DOI: 10.1504/IJMMP.2010.035944	BDI
2011	Mangra, G., Savu, S.V., Savu, I.D. - Inductive sensor with sintered magnetic core to evaluate the performances of the table tennis players, Materials Science Forum (Volume 672), pp 105-108, 2011 10.4028/www.scientific.net/MSF.672.105	BDI
2011	S.V. Savu – MATCHING LOAD IMPEDANCE FOR BEST POWER TRANSFER AT THE MICROWAVE WELDING OF THE COPPER WIRES, The Annals of Dunarea de Jos University of Galati – Welding Equipment and Technology, vol. 22, 2011	BDI
2011	Sebes, G., Savu, I.D., Savu, S.V. - Microîmbinarea prin procedeul termosonic a firelor din aur pe folii metalice, Revista Sudura Nr. 2/2011, pag. 31-35	BDI
2012	I. Ștefan, S.V. Savu, O. Ghermec, C. Nicolicescu, M. Trotea - Researches regarding elaboration of barium hexaferrite from microwave heating, Solid State Phenomena Vol. 188 (2012) pag.	ISI

	369-375, (2012) Trans Tech Publications, Switzerland, DOI:10.4028/www.scientific.net/SSP.188.369	
2013	Savu, I.D., Savu, S.V., Sebeş, G. - Preheating and heat addition by laser beam in hybrid laser-US welding, J Therm Anal Calorim (2013), 111:1221-1226, DOI: 10.1007/s10973-012-2449-5	ISI
2013	D. Savu, S. Savu, A. Sirbu - HEAT AFFECTED ZONES IN POLYMER LASER MARKING, J Therm Anal Calorim (2013), DOI: 10.1007/s10973-013-3443-2	ISI
2013	Savu, S.V., Savu, I.D., Ciupitu, I. - Thermal Analysis to Evaluate Ageing Process in Heated Tool and Electrofusion Welding of Polymer Pipes, Advanced Materials Research (Volume 837), pp 190-195, 10.4028/www.scientific.net/AMR.837.190	ISI
2013	Savu, S.V., Savu, I.D. – Glass welding by microwave heating, (2013) Rivista Italiana della Saldatura, 65 (2), pp. 221-227	BDI
2014	Savu, I.D., Savu, S.V., Benga, G. - Thermal Runaway of the BaCO ₃ + Fe ₂ O ₃ Homogenous Mixture and Mechanical Alloys at the Microwave Heating, Advanced Materials Research (Volume 837), pp 185-189, 10.4028/www.scientific.net/AMR.837.185	ISI
2014	N. A. Sirbu, V. A. Serban, S. V. Savu – Influence of the Ultrasonic Microvibrations under the Processing of the HDPE Thermoplastic Material, Revista Materiale Plastice, ISSN 0025-5289, vol. 51, nr. 4, 2014.	ISI
2015	I.D. Savu, S.V. Savu, M.G. Ghiba - New Concept of Quality Management in Shipbuilding, Advanced Engineering Forum, Vol. 13, pp. 332-340, 2015, 10.4028/www.scientific.net/AEF.13.332	BDI
2015	S. V. Savu, I.D. Savu, M.G. Ghiba - Modeling the Flow in Nanostructured Sensors within Hybrid Welding Systems, Advanced Engineering Forum, Vol. 13, pp. 154-159, 2015, 10.4028/www.scientific.net/AEF.13.154	BDI
2015	A. Olei, S.V. Savu, I. Stefan - The Tribological Behavior of some Steel Samples Prepared by Powder Metallurgy Sintered in Microwave Field, Advanced Engineering Forum, Vol. 13, pp. 114-117, 2015, 10.4028/www.scientific.net/AEF.13.114	BDI
2016	S. V. SAVU, I. D. SAVU, G. C. BENGA, I. CIUPITU - Improving functionality of Ti6Al4V by laser technology surfacing, OAM-RC, vol. 10, no. 9-10, septembrie 2016	ISI
2016	S. V. Savu, I.D. Savu, G.C. Benga - Heat Affected Zone in Microwave Polymer Welding, Advanced Materials Research, Vol. 1138, pp. 165-171, 2016, 10.4028/www.scientific.net/AMR.1138.165	BDI
2016	S.V. Savu, I. Ciupitu, N.A. Sirbu, I.D. Savu, G.C. Benga - Microwave-resistive hybrid thermal source for soldering alloys and metal-ceramics composites, BID-ISIM, 3/2016. Pp 6-8, B+	BDI
2017	S. V. SAVU, I. D. SAVU, G. C. BENGA, I. CIUPITU - Study of functional characteristics of the hybrid US-laser bonds, OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS, Vol. 11, No. 9-10, September-October 2017, p. 580 - 585	ISI

2018	S.V. SAVU, I.D. SAVU - Intermetallics behaviour in ultrasonic activation of the Sn-Ag-Cu solder during eutectic soldering process, UPB Scientific Bulletin, Chimie si Stiinta Materialelor, vol. 2, 2018	ISI
2018	S.V. Savu, G.C. Benga, I. Ciupitu, A. Olei - Competencies for inland navigation crew of LNG-fueled ships, Advanced Engineering Forum, vol 27, pag. 248-253, Trans Tech Publications, 2018	BDI

BREVETE

1. Savu D., Sirbu A.N., Savu S.V., Oanca O.V. - Cap hibrid pentru sonotroda, Hotararea 4/194 din 30.08.2018

PREMII

1. Competitia PRECISI PN-II-RU-PRECISI2014-8-7134 - Heat affected zone in polymer laser marking, J Therm Anal Calorim (2013)
2. Competitia PRECBVT PN-III-P1-1.1-PRECBVT-2019-2125 - Cap hibrid pentru sonotrode, 2019