

UNIVERSITATEA PETROL - GAZE DIN PLOIEȘTI
FACULTATEA INGINERIE MECANICĂ ȘI ELECTRICĂ
DEPARTAMENTUL AUTOMATICĂ, CALCULATOARE ȘI ELECTRONICĂ
Concurs pentru ocuparea postului de ȘEF DE LUCRĂRI, poziția 20
Disciplinele postului: Automate și microprogramare, Microcontrolere, Prelucrarea imaginilor, Rețele neuronale pentru recunoașterea formelor,
Domeniul: Calculatoare, tehnologia informației și ingineria sistemelor.

LISTA PUBLICATIILOR

Dr. Ing. Vlad Iulian Teodor

A- Lista celor maximum 10 lucrări relevante:

1.- Bayesian Spatio-Temporal prediction of cancer dynamics (2015), Autori: Iulian Teodor Vlad, Pablo Juan, Jorge Mateu; *Journal of Computers and Mathematics with Applications - Elsevier* 70(5), pag: 857-868,
<https://www.sciencedirect.com/science/article/pii/S0898122115002928?via%3Dihub>
DOI: <http://dx.doi.org/10.1016/j.camwa.2015.06.006>;

2.- A geometric approach to cancer growth prediction based on Cox processes (2014), Autori: Iulian Teodor Vlad, Jorge Mateu; *Journal of Statistics: Advances in Theory and Applications - Scientific Advances Publishers* 13(1), pag: 1-32,
http://scientificadvances.co.in/admin/img_data/911/images/JSATA7100121428IulianT.Vlad.pdf,
DOI: http://dx.doi.org/10.18642/jsata_7100121428,

3.- Two handy geometric prediction methods of cancer growth (2015), Autori: Iulian Teodor Vlad, Joaquin Gual Arnau, Jorge Mateu; *Journal of Current Medical Imaging Reviews* 11 (4), 254-261,
URL: <https://www.eurekaselect.com/132483/article>
DOI: <http://doi.org/10.2174/1573405611666150626173428>;

4.- On some descriptive and predictive methods for the dynamics of cancer growth (2015), Autori: Iulian Teodor Vlad, Jorge Mateu, Elvira Romano; *University of Bologna, Journal of Statistic* 75 (3), 247-263.;
URL: <https://rivista-statistica.unibo.it/article/view/6096>
DOI: <http://dx.doi.org/10.6092/issn.1973-2201/6096>

B- Teza de doctorat:

Mathematical Methods to Predict the Dynamic Shape Evolution of Cancer Growth based on Spatio-Temporal Bayesian and Geometrical Models (2016), Autor: Iulian Teodor Vlad, 207 pagini, *University JAUME I - Castellon, TDX Thesis Doctorals en XARXA*.
Coordonatori: Jorge Mateu, Joaquin Gual Arnau.
URL: <http://hdl.handle.net/10803/670303>
DOI: <http://dx.doi.org/10.6035/14019.2016.215249>

E.- Articole publicate în reviste din fluxul științific internațional principal:

5.- Measuring contour functions deformation by principal differential analysis: a distance based approach for the analysis of Glioblastoma Multiform (2014), Autori: Iulian Teodor Vlad, Elvira Romano, Jorge Mateu; *Proceedings of the Seventh International Workshop on Spatio-Temporal Modelling (METMA7)*. ISSN 2037-7738;
<https://aisberg.unibg.it/retrieve/handle/10446/31705/17050/3202-6597-1-PB.pdf>
DOI: <http://doi.org/10446/31705>

F.- Publicații apărute în lucrări ale principalelor conferințe internaționale de specialitate

6.- A functional model for detecting changes in evolving shapes brain tumors (2014), Autori: Iulian Teodor Vlad, Elvira Romano, Jorge Mateu; *The 47th SIS scientific meeting of the Italian Statistical Society (SIS-2014)*. S. Cabras, T. Di Battista and W. Racugno (Eds.). CUEC Cooperativa Universitaria Editrice Cagliariitana, Cagliari.
ISBN: 978-88-8467-874-4,
<https://iris.unica.it/retrieve/handle/11584/265463/342133/sis2014proceedings.pdf>
DOI: <http://doi.org/11591/209161>;

7.- Brain Tumor Shape Deformation: a Functional Data Analysis Approach (2013), Autori: Iulian Teodor Vlad, Elvira Romano, Jorge Mateu, In *SCO 2013: Complex Data Modeling and Computationally Intensive Statistical Methods for Estimation and Prediction*;
URL: <http://www2.mate.polimi.it/ocs/>

8.- Automatic contour detection and functional prediction of brain tumour boundary (2012), Autori: Iulian Teodor Vlad, Elvira Romano, Jorge Mateu; In *Analysis and Modeling of Complex Data in Behavioural and Social Sciences (JCS-CLADAG12)*.
ISBN: 978-88-6129-916-0. Publisher Cleup Padova
URL: <http://www.jcs-cladag12.unina.it/>

Data,

Semnătura,

02. Iunie. 2022