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**2002 - Graduate in Mechanical Engineering, Faculty of Engineering in Foreign Languages, UPB**

**2006 - PhD Degree, Laboratory of Machine Elements and Tribology, University Politehnica of Bucharest**

**2004-2005 - DAAD Research scholarship, University of Kassel, Germany**

**Doctoral thesis title: Contributions to the lubrication of textured surfaces**

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### **List of papers :**

- [1] Marian, V. G., Kilian, M., Scholz, W., *Theoretical and experimental analysis of a partially textured thrust bearing with square dimples*, presented at the 10<sup>th</sup> International Conference on Tribology, ROTRIB 2007, Bucharest, Romania, published in Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, Vol. 221, No.7, pp. 771-778, 2007
- [2] Marian, V. G. , Cicone, T., *Modelarea teoretică a proceselor de lubrificație pentru o celulă a unei suprafețe texturate*, VAREHD 13<sup>th</sup> Conference on EHD Lubrication and Traction, Suceava, Romania, October 5-7 2006, Published on CD (ISBN-10 973-666-215-2, ISBN-13 978-973-666-215-7), Paper No. 02
- [3] Marian, V. G., Pascovici, M. D., Cicone, T., *Analytical and Numerical approach for load capacity of a single square cell from a textured surface*, U.P.B. Scientific Bulletin, Series D, Vol 68, No.3, pp.15-26, 2006
- [4] Pascovici, M. D., Marian, V. G., Gaman, D., *Analytical and numerical approach of load carrying capacity for partially textured slider*, International Nanotribology Conference Nano Sikkim II : Friction and Biotribology, Peeling, Sikkim, India, November 8-12 2004
- [5] Marian, V. G., *Lubrication of textured surfaces*, International symposium "UNIVERSITARIA ROPET 2004" ,Mechanical Engineering, pp. 117-121, Petrosani, 16-18 October, 2004
- [6] Pascovici, M. D., Marian, V. G., *An analytical and numerical approach of load carrying capacity for partially textured sliders*, VAREHD 12<sup>th</sup> Conference on EHD Lubrication and Traction, Suceava, Romania, October 8-9 2004, published on CD (ISBN 973-666-119-9), Paper No.19
- [7] Marian, V. G., *Dynamique du Système Tiroir-Pilote de la Soupape de Passage à Charge Réduite d'une Pompe* , International symposium "UNIVERSITARIA ROPET 2003" , Mechanical Engineering, Vol.2, pp. 97-102, Petrosani, 16-18 October , 2003
- [8] Marian, V. G., Patrascu, P., Vatavu, S., *Utilisation de la Methode des Elements Finis pour la Conception des Composants d'un Conjoncteur-Disjoncteur Hydraulique*, International Symposium "UNIVERSITARIA ROPET 2002", Mechanical Engineering, Vol.2 , pp. 131-137, Petrosani,17-19 October 2002
- [9] Marian, V. G., BREVET D'INVENTION : "Valve de passage a charge reduite d'une pompe" , no. d'enregistrement 9802228, no. de publication 2775047