

Lista lucrărilor științifice elaborate și publicate

A. Cărți tipărite:

1. **Deaconescu Tudor**
Ingineria calității
Reprografia Universității TRANSILVANIA Brașov, 1996.
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3. **Deaconescu Tudor**
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4. Nedelcu A., **Deaconescu Tudor**, Drăgoi M.V., Deaconescu A.
Birotică
Editura OMNIA UNI S.A.S.T. Brașov, 2001, ISBN 973-9478-43-3.
5. Colectiv de autori (... **Deaconescu Tudor**,...)
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Editat de de: Academia Română; Academia de Științe Tehnice din România ; Asociația Română pentru Tehnologii Neconvenționale (ARTN).
Coordonare generală a tratatului: Prof.dr.doc.șt.ing.,dr.HC Aurel Nanu.
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Editura BREN București, 2004, ISBN 973-648-385-1
6. **Deaconescu Tudor**
Sisteme și tehnologii speciale. Eroziunea hidroabrazivă.
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8. ...**Deaconescu Tudor**, Deaconescu, A.....
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American Institute of Physics, Melville, New York 2009, Vol. 1174, Editor: Sio-Iong Ao, Harvard University, Cambridge, MA, USA, 332 p., Hardcover, ISBN: 978-0-7354-0713-8 (BDI: Springer, Scitation (doi:10.1063/1.3256258)) .
9. ...Deaconescu, A., **Deaconescu Tudor**
Intelligent Automation and Systems Engineering, Series: Lecture Notes in Electrical Engineering, Vol. 103; Capitolul 3: Bio-Inspired Pneumatic Muscle Actuated Robotic System
Editura Springer 2011, 430 p., Editori: Sio-Iong Ao, Harvard University, Cambridge, MA, USA, Burghard Rieger, Trier University, Mahyar Amouzegar, College of Engineering, California State University Pomona USA, pag. 27-40, ISBN 978-1-4614-0372-2
10. **Deaconescu Tudor**
Pneumatică aplicată
Editura Lux Libris, 2018, ISBN 978-973-131-409-9, 270 pagini.

B. Ghiduri de proiectare:

11. **Deaconescu Tudor**, Sârbu Flavius
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Editura Universității TRANSILVANIA Brașov, 2000, ISBN 973 – 9474 – 41 – 1.

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C. Îndrumare de laborator tipărite:

12. Ivan, M.,..., **Deaconescu Tudor**,...
Mașini-unelte și prelucrări mecanice
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Toleranțe și control dimensional
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D. Contracte:

1. *Instalație hidraulică de presare cuzineți pe arbore și pinion pompă ARO*. Contract 714-45/1989. Beneficiar Întreprinderea de autoturisme de teren Aro Câmpulung, județul Argeș. Responsabil de proiect.
2. *Agregat de strunjire carcasă punte spate ROMAN*. Contract V001/1989. Beneficiar Întreprinderea de autocamioane Brașov.
3. *Instalație probă de presiune apă bloc motor ARO*. Contract I002/1989. Beneficiar Întreprinderea de autoturisme de teren Aro Câmpulung, județul Argeș.
4. *Cercetări pentru realizarea unui procedeu eficient de debavurare a pieselor de dimensiuni mici și mijlocii prin utilizarea ultrasunetelor*. Contract nr. 5005/2/1993...1995, M.C.T.
5. *Proiectarea pe calculator a tehnologiilor neconvenționale și a electrozilor pentru prelucrarea prin eroziune electrochimică*. Contract nr. 5005/1996, tema nr. 17, cod 1346 M.E.N.
6. *TEMPUS PHARE Individual Mobility Grant* Contract Nr. IMG-97-RO-1029. Bursă Tempus la Buckinghamshire College High Wycombe, Anglia. Scop: dezvoltare de noi module de curs în domeniul Ingineriei calității. Calitate: contractor
7. *Design and manufacturing of a device for the rotation by two axes of a camera (pan – tilt head) – mechanical part*. Contract nr. IAT-ARTN 01/2002. Beneficiar Universităt Bremen, Germania, Institut für Automatisierungstechnik. Calitate: director de contract.
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9. *Development of new Light Mechatronic SYStems based on dynamics and control optimisation (LIMESYS)*. Contract MTKD-CT-2004-014249, FP6, Marie Curie Actions. Calitate: director de proiect.
10. *Platformă pentru dezvoltări tehnologice inovative*. Contract MedC/CNCSIS nr. 13/18.09.2006, Cod CNCSIS 78. Calitate: membru în echipa de cercetare.
11. *Cercetări privind performanțele mușchilor pneumatici folosiți la acționarea prehensoarelor roboților non-antropomorfici*. Contract CNCSIS tip A nr. 4GR/28.05.2007, cod 1054/2007, tema 8. Calitate : director de contract.
12. *Dezvoltarea de module de rotație și de translație destinate roboților de reabilitare, acționate de mușchi pneumatici*. Contract CNCSIS tip IDEI, PN-II-ID-PCE-2007-1, ID_184. Calitate: membru în echipa de cercetare.
13. *Study of non-anthropomorphic pneumatic muscle actuated gripper*. Contract CNCSIS tip Resurse umane (MC), PN-II-RU-MC-2008-2, cod : 9. Calitate : director de contract.

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14. *Echipament izokinetic acționat cu mușchi pneumatici, destinat recuperării bolnavilor cu afecțiuni posttraumatice ale articulațiilor portante.* Contract CNC SIS tip IDEI, PN-II-ID-PCE-2008-2, ID_764 (2009-2011). Calitate : director de contract.
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16. *Comanda și acționarea pneumatică a sistemelor de producție.* Contract cu terți (firma Festo SRL București) nr. 7790/2012. Calitate : director de contract. Valoare contract : 16554 lei.
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19. *Acționări și automatizări hidro-pneumatice.* Contract cu terți (firma Festo SRL București) nr. 6755/12.06.2014. Calitate: director de contract. Valoare contract : 21114,72 lei.
20. *Comunitate virtuală pentru asigurarea calității și perfecționării managementului strategic și inovativ în universitățile tehnice și compozite, în vederea creșterii relevanței învățământului superior pentru piața muncii – ACAD-INOV.* POSDRU/11/1.2/S/141884. Beneficiar : ARACIS. Calitate: membru (2015).
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24. *Tribological Behavior of Hydraulic Cylinder Coaxial Sealing Systems Made from PTFE and PTFE Compounds.* Contract UEFISCDI tip PN-III-P1-1.1-PRECISI-2020-44273 (Premierea rezultatelor cercetării – articole). Calitate: director de contract. Valoare contract 3000 lei.
25. *Developing an Analytical Model and Computing Tool for Optimizing Lapping Operations of Flat Objects Made of Alloyed Steels.* Contract UEFISCDI tip PN-III-P1-1.1-PRECISI-2020-44540. (Premierea rezultatelor cercetării – articole). Calitate: director de contract. Valoare contract 1000 lei.
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3. **Deaconescu Tudor**, Cătană Dorin, Deaconescu Andrea
Betrachtungen betreffend das dynamische Abdichten von Hydraulikzylindern mit O - Ringen.
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 8. Cătană Dorin, **Deaconescu Tudor**, Eftimie L.
Aspecte privind finisarea structurii aliajelor antifricțiune folosite în construcția cuzinețelor utilizați la motoarele cu ardere internă.
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 9. Cătană Dorin, **Deaconescu Tudor**, Eftimie L.
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 10. **Deaconescu Tudor**, Cătană Dorin
Sistemul de comandă al unui cilindru hidraulic cu transformare internă de presiune.
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19. **Deaconescu Tudor**
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25. **Deaconescu Tudor**
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27. **Deaconescu Tudor**
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28. **Deaconescu Tudor**
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32. **Deaconescu Tudor**
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46. **Deaconescu Tudor**

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