

**LISTA DE LUCRĂRI**  
a d-lui: **TULBURE ADRIAN-ALEXANDRU**

**Teza de abilitare**

„Aplicatii ale electronicii moderne la cresterea eficientei energetice a consumatorilor industriali” Teza de abilitare a fost elaborata în perioada 2016-2017 și sustinuta la IOSUD/IOD Universitatea din Pitesti la data de 03.11.2017. Atestatul de abilitare în domeniul IETTI a fost emis prin OM nr.3374 din 22.03.2018.

**Teza de doctorat**

Netzgespeiste Asynchronmaschine mit elektronischer Käfigskommütierung zur aktiven Schwingungsdämpfung „Masina asincrona alimentata de la retea cu comutatia electronica a coliviilor pentru atenuarea activa a oscilatiilor”.

Teza de doctorat a fost elaborata în Germania în perioada 1998-2003 sub coordonarea d-lui prof.H.-P. Beck de la UT Clausthal, respectiv prof. U.Beckert de la UT Freiberg și sustinuta în 23.ian.2013 la *Universitatea Tehnica din Clausthal-Germania*. A fost recunoscuta în România prin atestatul nr. 6141 din 23.08.2004.

Cele mai relevante lucrări științifice, publicate în țară și în străinătate, sunt:

**Cărți relevante publicate:**

- A1. **Tulbure, A.**; Netzgespeiste Asynchronmaschine mit elektronischer Käfigskommütierung zur aktiven Schwingungsdämpfung (*Masina asincrona alimentata la retea cu comutatia electronica pentru atenuarea oscilatiilor*). Monografie în Editura Papierflieger / Germania. Clausthal - 2003. ISBN 3-89720-648-X.
- A2. **Tulbure, A.** Beck H.-P., *Messtechnik zur Leistungsmechanik (Masurari in mecatronica)*. Institutul de Electrotehnica din Clausthal 2004, Centrul de multiplicare al UT Clausthal.Tu-Be-04.
- A3. **Tulbure, A.** *Dispozitive intrare-iesire interne calculatorului*. Editura Universitas Petrosani 2007. ISBN 978-973-741-115-0.
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- A5. **Tulbure A.**, Pocan I. *Compatibilitate Electromagnetica, Suport de curs*. Seria didactica Alba Iulia, 2014.
- A6. **Tulbure A.**, Marc.Ghe., *Surse neconventionale de energie*. Editura Aeternitas, Alba Iulia 2015.ISBN 978-606-613-115-5
- A7. **Tulbure A.**, Cioflica D., *Electro-Probleme. Teorie și aplicatii*. Editura Aeternitas, Alba Iulia 2015, ISBN 978-606-613-113-1.

**Lucrări publicate indexate ISI Thompson sau baze de date internaționale BDI**

**2000**

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## 2001

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- B20. **Muntean, M.**, Vălean, H., Tulbure, A., Ileană, I., Kadar, M., „*Data mining algorithms for wireless sensor network`s data*”, *Proceedings of SPIE. Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies*, ISBN 978-0-8194-7670-8, 26-29 August 2010, Constanta, Romania, Vol. 7821 (ISI Web of Knowledge, SPIE Digital Library). Pag 78212G-1 - 78212G-8.
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- C2. **Tulbure, A.**; *Shaft Torque Control System for Induction Machine*. Simpozion international UNIVESITARIA ROPET 2004, 15-16 octombrie 2004, Vol.2, Edit. Universitas Petrosani, ISBN 973-8260-69-8, pag.139-142.

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## Proiecte CDI pe baza de contract sau grant

- D1. *Asynchronmaschine mit elektronischer Kennlinienverstellung*” (Masina asincrona cu caracteristica ajustabila electronic), Proiect finantat de Fundatia Konrad Adenauer Bonn/Germania , 1998-2003, **Tulbure, A**, responsabil proiect
- D2. *Entwicklung der Leistungselektronik und EMV-Prufanweisungen bei 28V GPU* (Dezvoltarea electronicii de putere si procedura de testare EMC la unitatea de alimentare 28V/2000A dc) Contract nr. RWE22/2003 Germany. **Tulbure, A**, membru in echipa de cercetare.
- D3. *Entwicklung der MOSFET Treiberkarte mit USD-Uberwachung* (Dezvoltarea unui modul electronic cu MOSFET cu supravegherea tensiunii drena-sursa Uds) Contract nr. RWE PCC003/2004 Germany. **Tulbure, A**, membru in echipa de cercetare.
- D4. *Teillastuntersuchungen bei Intelligent PowerModul Typ-PS21869 der 5.Generation*“ (Analiza la sarcini partiale pentru modulul inteligent de putere Typ PS21869) Proiect nr.28/2004 cu firma Mitsubishi Electric / Divizia Power Semiconductors Rattigen/Germania, **Tulbure, A**, membru in echipa de cercetare.
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- D6. *Contributii la cresterea sigurantei si randamentului actionarilor electrice II*. Grant–nr.AT32 continuare 2005. Act aditional nr.34657/24.06.05 - incheiat cu CNCSIS Bucuresti. **Tulbure, A**, director grant.
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- D10. *Number of imaging technology for embedded aplications.* Contract nr.243/4.10.2007 incheiat cu ISEE Media Ontario, CANADA. **Talbure, A**, membru in echipa de cercetare.
- D11. *Masurari experimentale si analiza tehnica pentru echipamentul instalatie de taiat si slefuit in mediu umed tip REMA NTS500 si alimentarea din amonte.* Contract nr.531/2008 incheiat cu compania Bosch-Rexroth Srl, Blaj. **Talbure, A**, responsabil contract,
- D12. *Consultanta si asistenta tehnica pentru modernizarea, extinderea si gestionarea sistemului de iluminat public in Mun. Alba Iulia,* Contract nr. 25533/01.09.2009 incheiat cu Primaria Municipiului ALBA IULIA, **Talbure, A**, responsabil contract.
- D13. *Experimental research for estimating the wind energetic potential in Alba County (location indicated by beneficiary).* Contract nr.285/04.09.2009 incheiat cu compania IWC Germania **Talbure, A**, responsabil contract, Val. 21.500 EURO
- D14. *Masurari experimentale, bilantare si audit energetic complex pentru consumatorii importanti din cadrul SC SIEMENS SIBIU SRL locatia Sibiu".* Contract nr. 01/04.01.2010, încheiat cu agentul economic *SIEMENS Industrial Manufacturing Engineering and Applications SIMEA Srl*, **Talbure, A**, responsabil tema.
- D15. *Experimental study concerning the wind potential estimation using the telecommunication tower in Alba Region,* Act additional nr. 1/12.04.2010 la Contract nr.285/04.09.2009, **Talbure, A**, membru in echipa de cercetare. (val.15.800 euro).
- D16. *Servicii tehnice de întocmire a bilanțului energetic complex (electric, termic și mecanic) pentru instalațiile aferente ale SC CAA SA. (Stația de epurare).* Contract nr. 112/31.10.2011, incheiat cu , S.C. *Compania de Apa Arad SA* **Talbure, A**, responsabil contract.
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- D22. SC SIEMENS Industrial Manufacturing Engineering and Applications Sibiu SRL. Contract nr. 928/21.10.2015 „*Masurari electrice, electronice, fluidice si elaborarea auditului energetic complex pentru punctele de lucru din Sibiu si Buzias ale companiei*” **Talbure, A**, responsabil contract.
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- D25. Primaria si CL Ocna Mures Contract Nr. 983/23.11.2015 *Elaborare studio de coexistenta electromagnetica pentru avizare PUG Ocna Mures.* **Tulbure, A**, membru in echipa.
- D26. *Sistem inteligent bazat pe învățare automată și vedere artificială pentru optimizarea fluxului de fabricație a porțelanului* (Acronim: SIVAP) Contract PNDI II. 2017-18 **Tulbure A.**- membru in echipa (Director Conf. Birlutiu A.)
- D27. *Actiuni suport pentru activitatii de excelenta in cercetare.* CNFIS-FDI-2018-0213. Grant FDI **Tulbure A.**- membru in echipa (Director: Popa-Gorjanu)
- D28. *Îmbunătățirea infrastructurii educaționale din cadrul corpului D si a corpului H a Universității 1 Decembrie 198 din Alba Iulia,* SMIS 120779, contract de finanțare nr. 4159/06.05.2019 **Tulbure A.**- membru in echipa (Director D. Breaz)

### **Proiecte si granturi educationale (www.hightechalba.ro)**

- E1. *Creșterea performanțelor absolvenților HIGHTECH (electronica-informatica) în viața activă, prin programe de pregătire practică la agenții economici.* Beneficiar: Universitatea „1 Decembrie 1918” Alba Iulia cu partenerii: BOSCH Rexroth Blaj, Continental Automotive Sibiu si Siemens SIMEA Sibiu. Contract nr. POSDRU/22/2.1/G/24926. Perioada implementare 2009-11. **Tulbure Adrian** - Director grant.
- E2. *Stagiile de pregătire practică la agenții economici – o poartă de acces pe piața muncii.* Beneficiar: Universitatea „1 Decembrie 1918” Alba Iulia, Contract nr. POSDRU/109/2.1/G/81578. Perioada implementare 2011-13. **Tulbure A.**- membru in echipa (Director Prof. Ileana I.)
- E3. *Oameni inteligenți pentru orașe inteligente!-Adaptarea programelor de studiu în domeniile electronicii aplicate, informaticii și ingineriei mediului la cerințele secolului 21.* Beneficiar: Universitatea „1 Decembrie 1918” Alba Iulia. Contract nr. POSDRU/156/1.2/G/137166. Perioada implementare 2014-15. **Tulbure A.**- membru in echipa (Director Conf. Kadar M.)
- E4. *Mecanisme și instrumente de corelare a ofertei educaționale cu cerințele pieței muncii în cadrul universității “1 Decembrie 1918” din Alba Iulia (PRO-INSERT).* Beneficiar: Universitatea „1 Decembrie 1918” din Alba Iulia. Contract CNFIS-FDI-2017-0592. **Tulbure A.**- membru in echipa (Director Conf. Dragolea L.)
- E5. *Dezvoltare, afirmare, reusita la inceputul studentiei (DARIS).* Contract SGU nr. 91/19.12.2017-19. **Tulbure A.**- membru in echipa (Director: conf. Rotar C)
- E6. *“CEO Antreprenor – Competitivitate, Excelență, Oportunitate!”* Beneficiar: ++Universitatea „1 Decembrie 1918” Alba Iulia Cod SMIS 2014+:124185. Contract POCU/379/6/21/124185, **Tulbure A.**- membru in echipa (Director M.Corches)

### **Alte lucrari:**

#### **Normative, proceduri, metodologii, reglementari si planuri tehnice noi sau perfectionate.**

- F1. Engelhardt H., **Tulbure, A**, ; *Test Instruction QW 91.9.179.4897 for GPU.* Procedure by RWE Solutions AG Germany. Osterode am Harz. Revision Edited 2003.

**Alba Iulia, 15.08.2019**

Prof. univ. dr. ing. Tulbure Adrian