Universitatea Politehnica din Bucuresti
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Conf. dr. ing. Marius BĂȚĂUȘ

Lista de lucrări completă

I. TEZA DE DOCTORAT (T)

T1. Sisteme de comandă automată hidraulice a transmisiilor mecanice pentru automobile, Universitatea Politehnica București, Domeniul Energetică, 2011

II. CĂRŢI PUBLICATE (C)

Cb - Cărţi de specialitate publicate în edituri recunoscute

Cb1. **Bățăuş, M.**, Modelarea și simularea funcționării sistemelor autovehiculelor, Editura BREN, București, 2025, ISBN 978-606-610-335-0, 100p..

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III. ALTE MATERIALE PUBLICATE (I, D)

I - Culegeri şi îndrumare publicate

I1. **Bățăuș, M.**, Optimizarea grupului motor-transmisie. Îndrumar de laborator, Editura BREN, București, 2025, ISBN 978-606-610-334-3, 100p.

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D - Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcţionale etc.

D1. Oprean, M., Andreescu, C., Dumitrache, N., Chiru, A., **Bățăuș, M.**, History of Motor Vehicles. In: Banabic, D. (eds) History of Romanian Technology and Industry. History of Mechanism and Machine Science, vol 45. Springer, Cham., 2024. https://doi.org/10.1007/978-3-031-39191-0_7

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IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

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Ris1. Micu, D.A.; **Bățăuș, M.V.**; Rențea, C.A.; Ancuța, A.A.; Mancaș, R. The Influence of Road Gradient Resistance on the Driving Range of Electric Vehicles. Vehicles 2026, 8, 44. **(WOS:001726317500001)**

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V. BREVETE DE INVENŢIE / INOVAŢII (B,A)

B - Brevete de invenţie.

B1. Oprean, I. M., **Bățăuş, M. V.**, Maciac, A. N., Andreescu, C. N., Croitorescu, V. G., Brevet nr. 00126768, DISPOZITIV PENTRU ÎNCĂLZIREA RAPIDĂ A MOTORULUI TERMIC AL UNUI SISTEM DE PROPULSIE HIBRID

VI. CONTRACTE ŞI RAPOARTE ŞTIINŢIFICE (P,F)

P – Proiecte de cercetare-dezvoltare – inovare obtinute prin competitie, pe bază de contract/grant, in tara/strainatate (Pn – nationale, Pi - internationale).

Pn – Proiecte naționale		
Pn01. Studiul impactului măsurilor de optimizare energetică în transportul rutier (SIMOEnerg) Proiect GNAC ARUT 2023, NR. 2/06.10.2023	Director	2023-2026
Pn02. Utilizarea vehiculelor la scară redusă pentru studiul dinamicii autovehiculelor rutiere – VEhRDI, "Excellence Research Grants" Program, UPB – GEX. Identifier: UPB–EXCELENȚĂ–2016, nr. 46/26.09.2016	Director	2016-2017
Pn03.Soluții inovative de creștere a performanțelor autovehiculelor electrice, GNAC ARUT 2023, No. 161 /1.12/2023.	Membru echipă	2023-2026
Pn04. Sistem de propulsie hibrid (termic-electric) inovator pentru automobile, Contract nr. 166/1.10.2007, Programul IDEI CNCSIS	Membru echipă	2007-2010
Pn05. Cercetarea si dezvoltarea unor echipamente si sisteme mecatronice pentru recuperarea energiei de franare la autovehicule grele, in scopul eficientizarii energetice si reducerii poluarii mediului, Contract nr. X1C06/03.10.2005, Programul CEEX AMTRANS	Membru echipă	2005-2008
Pn06. Cercetări multidisciplinare privind realizarea suprastructurilor de rezistenţă ale autovehiculelor de transport urban utilizând tehnologii avansate, conforme cu directivele europene privitoare la protecţia mediului şi protejarea resurselor – STRALBUS, Contract nr. 131/20.07.2006, Programul CEEX	Membru echipă	2006-2008
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Pn08. eCASTOR – Sistem informatic distribuit pentru monitorizarea calităţii serviciilor publice de transport urban, Contract nr. 6C13/24.11.2003, Programul AMTRANS, Conducator de proiect Universitatea Lucian Blaga din Sibiu	Membru echipă	2003-2005
Pn09. Demonstrator tehnologic pentru prototipul direct operaţional al transportorului amfibiu blindat "ZIMBRU", Contract NR. A2082/07.08.2002, Programul RELANSIN	Membru echipă	2002-2005
Pn10. Studiul influentei degradarii starii tehnice a autovehiculelor utilitare asupra nivelului poluarii chimice si sonore, Contract nr. 564/17.07.2000 Tema B5, Beneficiar ANSTI	Membru echipă	2000-2001
Pi – Proiecte internaționale		
Pi01. Danubian Automotive Research Network of Excelence – DARE, TH Ingolstadt, Germany / prin centrul de cercetare UPB SRCTCSAT (Scientific Research and Continuous Training Centre for Sustainable Automotive Technologies)	Membru echipă	2014-2015
Pi02. Research work for a virtual powertrain system simulation platform, Commission des Communautés Européennes, Marie Curie Host Fellowships for the Transfer of Knowledge, MTKI-CT-2005-029775	Membru echipă	2006-2008

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