

UNIVERSITATEA DIN PETROȘANI
Facultatea de Inginerie Mecanică și Electrică
Departamentul de Inginerie Mecanică, Industrială și Transporturi
Concurs pentru ocuparea postului de Șef lucrări, poz. 24
Disciplinele: Proiectarea echipamentelor de proces I, II
Istoria tehnicii
Eficiența energetică a instalațiilor industriale
Mașini pentru instalații de proces
Transfer de căldură și masă
Domeniul Inginerie Mecanică

LISTA DE LUCRĂRI

Candidat: IACOB-RIDZI D. FLORIN-TIBERIU dr. din 2008

(NUME, inițială și prenume)

(anul) (Titlul didactic/echiv.) (anul)

A) Lucrări relevante pentru realizările profesionale proprii (maxim 10 lucrări)

1. **Iacob-Ridzi Tiberiu**, *The monitoring of mining hoisting machines. Design and devising the analogue version of band-pass filters*, Revista Minelor vol. 16, Nr. 6/2010, Pag. 20-22, ISSN 1220-2053
<https://research.ebsco.com/c/6e2yvvh/viewer/pdf/3cr7stzivb>
2. Ghicioi, E. Părăian, M. **Iacob-Ridzi, Tiberiu**. Vătavu, N. Lupu, L. Jurca, A., *IMPLEMENTING NEW TOOLS FOR THE ASSESSMENT OF NON-ELECTRICAL EQUIPMENT USED IN UNDERGROUND MINES, IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE ATEX 94/9/EC, ADOPTED IN ROMANIA BY GOVERNMENT DECISION NO. 752/2004*, Revista Minelor vol. 16, Nr. 1/2010, Pag. 6-11, ISSN 1220-2053
<https://research.ebsco.com/c/6e2yvvh/viewer/pdf/lvsnwqlqs2f>
3. Mihaela Paraian, **Florin Tiberiu Iacob-Ridzi**, Emilian Ghicioi, Florin Paun, Niculina Vătavu, Leonard Lupu, *Quality assurance for testing the protective performances of materials – an essential prerequisite in substantiating laboratory competency*, Environmental Engineering and Management Journal An International Journal, June 2014 Vol.13 No. 6, Iași, ISSN 1582 – 9596
https://www.researchgate.net/profile/Ilie-Jitea/publication/291505590_PROCEDURE_FOR_METAL_CUTTING_USING_EXPLOSIVES_WITH_LOW_ENVIRONMENTAL_IMPACT/links/63da4c4d62d2a24f92e5684e/PROCEDURE-FOR-METAL-CUTTING-USING-EXPLOSIVES-WITH-LOW-ENVIRONMENTAL-IMPACT.pdf#page=109
4. Adrian Jurca, Constantin Lupu, Mihaela Părăian, Niculina Vătavu, **Florin Tiberiu Iacob-Ridzi**, *Analysis of explosivity parameters and environmental safety for combustible dusts*, Environmental Engineering and Management Journal An International Journal, June 2014 Vol.13 No. 6, Iași, ISSN 1582 – 9596
https://www.researchgate.net/profile/Ilie-Jitea/publication/291505590_PROCEDURE_FOR_METAL_CUTTING_USING_EXPLOSIVES_WITH_LOW_ENVIRONMENTAL_IMPACT/links/63da4c4d62d2a24f92e5684e/PROCEDURE-FOR-METAL-CUTTING-USING-EXPLOSIVES-WITH-LOW-ENVIRONMENTAL-IMPACT.pdf#page=115
5. BOGDAN-CRISTIAN POPOVICIU, SORIN MIHAI RADU, AURELIAN HORIA NICOLA, **TIBERIU IACOB-RIDZI**, *EVALUATION OF THE RELIABILITY OF THE CARPET BELT WITH TEXTILE INSERTS, COMPONENT OF THE BELT CONVEYOR AT ROSIA POIENI QUARRY*, Annals of the University of Petroșani, Mechanical Engineering, 26 (2024), Pag. 227-236
https://www.upet.ro/annals/mechanical/pdf/2024/22_Popoviciu_Annals_26_2024.pdf
6. SORIN MIHAI RADU, NICOLAE ILIAȘ, BOGDAN-CRISTIAN POPOVICIU, AURELIAN HORIA NICOLA, **TIBERIU IACOB-RIDZI**, *TRENDS IN THE USE OF ENERGY RESOURCES IN ROMANIA*, Annals of the University of Petroșani, Mechanical Engineering, 26 (2024), Pag. 237-244
https://www.upet.ro/annals/mechanical/pdf/2024/23_Radu_Annals_26_2024.pdf
7. Dorel ZUGRAVESCU, Nicolae ILIAS, Iosif ANDRAS, Sorin Mihai RADU, Iosif GRUNEANTU, George TESELEANU, Inga ROSIORU, Chiril GEORGE, **Tiberiu IACOB-RIDZI**, Cristian TOMESCU, *A SOLUTION FOR CARBON DIOXIDE STORAGE AND COAL BED METHANE BENEFICIATION IN JIU VALLEY COALFIELD*, Buletinul AGIR, Supliment 1 / 2015
<https://www.agir.ro/buletine/2216.pdf>

8. Dan Constantin Marinescu and Eduard Mija and Lucian Preda and **Tiberiu Iacob-Ridzi** and Dan Codrut Petrilean and Maria Gaf-Deac (2016), *The economical, technical social and environmental impact of non-finalizing the desulphurisation facility at Paroseni power plant*, FOREN, Vol. 5, No. 1 (2016)
<https://mp.ra.ub.uni-muenchen.de/id/eprint/81160>
9. **Florin Tiberiu IACOB-RIDZI**, *New Method For The Assessment Of Powered Roof Support Operational Safety*, International Symposium, Occupational Health and Safety SESAM 2011, 5th Edition - INSEMEX PETROȘANI, Pag. 106-112
https://www.researchgate.net/profile/Dragos-Pasculescu/publication/265519429_Method_for_insulation_resistances_testing_and_means_of_protection_to_earthings_in_high_power_electrical_networks/links/555dbbe908ae86c06b5dcbe7/Method-for-insulation-resistances-testing-and-means-of-protection-to-earthings-in-high-power-electrical-networks.pdf
10. Andras, I. **Iacob-Ridzi, F.T.** Andras, A. *Artificial Intelligence Based Methods in Modelling Some Mining Equipment Operation*, Editura Innovation and Technology Transfer Centre University of Miskolc, XXV. MicroCAD International Scientific Conference, 31 march-1 April 2011, ISBN 978-963-661-966-4
https://multiscience.uni-miskolc.hu/files/629/programfuzet_2011.pdf

B) Teza(-ele) de doctorat

Iacob-Ridzi, F.T., *Monitorizarea sistemelor de frânare la mașinile de extracție*, Universitatea din Petroșani, Conducător științific: Prof. univ. dr. ing. Ferenc Koronka, 2008, confirmat prin Ordinul M.E.C.T. nr. 3439/2008,

C) Teza(-ele) de abilitare

D) Brevete de invenție și alte titluri de proprietate industrială

E) Cărți și capitole în cărți:

E.1. Cărți /capitole din cărți (monografii, tratate), publicate la edituri de prestigiu din străinătate

E.2. Cărți sau capitole din cărți (monografii, tratate), publicate la edituri din țară, recunoscute de CNCS

1. **Iacob-Ridzi, F.T.**; Koronka, F., *Reciclarea materialelor*, Editura Universitas, Petroșani, 2009, ISBN 978-973-741-133-4, 141 pag.
2. Nan, S.M; **Iacob-Ridzi, F.T.**; Dandea, D.L. (2012), *Teoria sistemelor de transport*, Editura Universitas, Petroșani, ISBN 978-973-741-294-2, 316 pag.
3. Iacob-Ridzi, F.T. (2010), *Instalații de extracție miniere. Sisteme de frânare*, Editura Universitas, Petroșani, ISBN 978-973-741-158-7, 159 pag.
4. **Florin Tiberiu Iacob-Ridzi**, Bogdan Ioan Marc, *Proiectarea echipamentelor de proces-Îndrumător de laborator*, Editura Universitas, Petroșani, 2025, ISBN 978-973-741-738-1, 110 pag.

F) Articole /studii in extenso, publicate în reviste din fluxul științific internațional principal

1. Radu, SM; Ilias, N; Andraș, I.; Mija, E.; **Iacob-Ridzi, T.** *ENERGETIC SCENARIOS BASED ON JIU VALLEY HARD COAL UTILISATION*, GEOCONFERENCE ON SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING, SGEM 2014, VOL III Page 205-212, WOS:000371590900028
<https://www.webofscience.com/wos/woscc/full-record/WOS:000371590900028>
2. **Iacob-Ridzi Tiberiu**, *The monitoring of mining hoisting machines. Design and devising the analogue version of band-pass filters*, Revista Minelor vol. 16, Nr. 6/2010, Pag. 20-22, ISSN 1220-2053
<https://research.ebsco.com/c/6e2yvh/viewer/pdf/3cr7stzivb>
3. Ghicioi, E. Părăian, M. **Iacob-Ridzi, Tiberiu.** Vătavu, N. Lupu, L. Jurca, A., *IMPLEMENTING NEW TOOLS FOR THE ASSESSMENT OF NON-ELECTRICAL EQUIPMENT USED IN UNDERGROUND*

MINES, IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE ATEX 94/9/EC, ADOPTED IN ROMANIA BY GOVERNMENT DECISION NO. 752/2004, Revista Minelor vol. 16, Nr. 1/2010, Pag. 6-11, ISSN 1220-2053

<https://research.ebsco.com/c/6e2yvh/viewer/pdf/lvsnw1qs2f>

4. Mihaela Paraian, **Florin Tiberiu Iacob-Ridzi**, Emilian Ghicioi, Florin Paun, Niculina Vataavu, Leonard Lupu, *Quality assurance for testing the protective performances of materials – an essential prerequisite in substantiating laboratory competency*, Environmental Engineering and Management Journal An International Journal, June 2014 Vol.13 No. 6, Iași, ISSN 1582 – 9596
https://www.researchgate.net/profile/llie-Jitea/publication/291505590_PROCEDURE_FOR_METAL_CUTTING_USING_EXPLOSIVES_WITH_LOW_ENVIRONMENTAL_IMPACT/links/63da4c4d62d2a24f92e5684e/PROCEDURE-FOR-METAL-CUTTING-USING-EXPLOSIVES-WITH-LOW-ENVIRONMENTAL-IMPACT.pdf#page=109
5. Adrian Jurca, Constantin Lupu, Mihaela Părăian, Niculina Vătavu, **Florin Tiberiu Iacob-Ridzi**, *Analysis of explosivity parameters and environmental safety for combustible dusts*, Environmental Engineering and Management Journal An International Journal, June 2014 Vol.13 No. 6, Iași, ISSN 1582 – 9596
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6. BOGDAN-CRISTIAN POPOVICIU, SORIN MIHAI RADU, AURELIAN HORIA NICOLA, **TIBERIU IACOB-RIDZI**, *EVALUATION OF THE RELIABILITY OF THE CARPET BELT WITH TEXTILE INSERTS, COMPONENT OF THE BELT CONVEYOR AT ROSIA POIENI QUARRY*, Annals of the University of Petroșani, Mechanical Engineering, 26 (2024), Pag. 227-236
https://www.upet.ro/annals/mechanical/pdf/2024/22_Popoviciu_Annals_26_2024.pdf
7. SORIN MIHAI RADU, NICOLAE ILIAȘ, BOGDAN-CRISTIAN POPOVICIU, AURELIAN HORIA NICOLA, **TIBERIU IACOB-RIDZI**, *TRENDS IN THE USE OF ENERGY RESOURCES IN ROMANIA*, Annals of the University of Petroșani, Mechanical Engineering, 26 (2024), Pag. 237-244
https://www.upet.ro/annals/mechanical/pdf/2024/23_Radu_Annals_26_2024.pdf
8. Dorel ZUGRAVESCU, Nicolae ILIAS, Iosif ANDRAS, Sorin Mihai RADU, Iosif GRUNEANTU, George TESELEANU, Inga ROSIORU, Chiril GEORGE, **Tiberiu IACOB-RIDZI**, Cristian TOMESCU, *A SOLUTION FOR CARBON DIOXIDE STORAGE AND COAL BED METHANE BENEFICIATION IN JIU VALLEY COALFIELD*, Buletinul AGIR, Supliment 1 / 2015
<https://www.agir.ro/buletine/2216.pdf>

G) Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

1. Koronka, **F. Iacob, T.**, *Diagnostics of components of mine winding machines*, Simpozion Științific Internațional Multidisciplinar „UNIVERSITARIA SIMPRO 2006”, 13-14 octombrie 2006, Petroșani, ISSN 1842-4449
<https://www.upet.ro/simpro/resource/SIMPRO%202006.pdf>
2. **Iacob, T.**, *Balancing quality limits*, Simpozion Științific Internațional Multidisciplinar „UNIVERSITARIA SIMPRO 2005”, 14-15 octombrie 2005, Petroșani, ISBN 973-8260-91-4
<https://www.yumpu.com/ro/document/read/32076904/simpro-2005-universitatea-din-petroaani>
3. **Iacob, T.**, *Alignment standards for shaft to shaft alignment*, Simpozion Științific Internațional Multidisciplinar „UNIVERSITARIA SIMPRO 2005”, 14-15 octombrie 2005, Petroșani, ISBN 973-8260-91-4
<https://www.yumpu.com/ro/document/read/32076904/simpro-2005-universitatea-din-petroaani>
4. Dan Constantin Marinescu and Eduard Mija and Lucian Preda and **Tiberiu Iacob-Ridzi** and Dan Codrut Petrilean and Maria Gaf-Deac (2016), *The economical, technical social and environmental impact of non-finalizing the desulphurisation facility at Paroseni power plant*, FOREN, Vol. 5, No. 1 (2016)
<https://mprc.ub.uni-muenchen.de/id/eprint/81160>
5. **Florin Tiberiu IACOB-RIDZI**, *New Method For The Assessment Of Powered Roof Support Operational Safety*, International Symposium, Occupational Health and Safety SESAM 2011, 5th Edition - INSEMEX PETROȘANI, Pag. 106-112
https://www.researchgate.net/profile/Dragos-Pasculescu/publication/265519429_Method_for_insulation_resistances_testing_and_means_of_protection_to_earthings_in_high_power_electrical_networks/links/555dbbe908ae86c06b5dcbe7/Method-

[for-insulation-resistances-testing-and-means-of-protection-to-earthings-in-high-power-electrical-networks.pdf](#)

6. Andras, I. **Iacob-Ridzi, F.T.** Andras, A. *Artificial Intelligence Based Methods in Modelling Some Mining Equipment Operation*, Editura Innovation and Technology Transfer Centre University of Miskolc, XXV. MicroCAD International Scientific Conference, 31 march-1 April 2011, ISBN 978-963-661-966-4
https://multiscience.uni-miskolc.hu/files/629/programfuzet_2011.pdf

H) Proiecte de cercetare-dezvoltare-inovare:

Data 07.07.2025

Semnătura.....



Candidat,

IACOB-RIDZI D. FLORIN
TIBERIU