

Technická univerzita v Košiciach
Fakulta baníctva, ekológie, riadenia a geotechnológií

PREHLAD PUBLIKAČNEJ ČINNOSTI

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Prehľad publikačnej činnosti

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Skupina A1 - Knižné publikácie charakteru vedeckej monografie (AAA, AAB, ABA, ABB, ABC, ABD)

Počet záznamov: 3

AAA - Vedecké monografie vydané v zahraničných vydavateľstvách (1)

AAB - Vedecké monografie vydané v domácich vydavateľstvách (2)

Skupina A2 - Ostatné knižné publikácie (ACA, ACB, BAA, BAB, BCB, BCI, EAI, CAA, CAB, EAJ, FAI)

Počet záznamov: 4

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (1)

BCI - Skriptá a učebné texty (2)

FAI - Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...) (1)

Skupina B - Publikácie v karentovaných vedeckých časopisoch a autorské osvedčenia, patenty a objavy (ADC, ADD, AEG, AEH, BDC, BDD, CDC, CDD, AGJ)

Počet záznamov: 13

ADC - Vedecké práce v zahraničných karentovaných časopisoch (13)

Skupina C - Ostatné recenzované publikácie (ACC, ACD, ADE, ADF, AEC, AED, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEC, BED, BFA, BFB, BGH, CDE, CDF)

Počet záznamov: 102

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (8)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (13)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (10)

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (2)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (48)

AFD - Publikované príspevky na domácich vedeckých konferenciách (15)

AFG - Abstrakty príspevkov zo zahraničných konferencií (3)

AFH - Abstrakty príspevkov z domácich konferencií (1)

BED - Odborné práce v domácich recenzovaných zborníkoch (konferenčných aj nekonferenčných) (2)

Skupina N - Nové kategórie EPC v zmysle Vyhlášky č. 456/2012 (ADM, ADN, AEM, AEN, BDM, BDN, CBA, CBB)

Počet záznamov: 5

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (4)

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (1)

Skupina D - Ostatné - mimo kategórií MŠSR

Počet záznamov: 15

AGI - Správy o vyriešených vedeckovýskumných úlohách (5)

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (1)

GAI - Výskumné štúdie a priebežné správy (7)

GII - Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií (2)

Počet záznamov spolu: 142

Menný zoznam publikácií:

AAA - Vedecké monografie vydané v zahraničných vydavateľstvách(1)

AAA001 [139078] **Optimal control of steel making process** / Marek Laciak - 1. vyd. - Miskolc : Bíbor Publisher - 2013. - 74 p.. - ISBN 978-963-9988-68-2.
[LACIAK, Marek]

AAB - Vedecké monografie vydané v domácich vydavateľstvách(2)

AAB001 [22790] **Modelovanie a optimálne riadenie konvertorového procesu** / Karol Kostúr, Marek Laciak, Peter Bubelíny - Košice : Viena, - 2002. - 86 s. - ISBN 80-88922-62-3.
[KOSTÚR, Karol - LACIAK, Marek - BUBELÍNY, Peter]

AAB002 [37071] **Systémy nepriameho merania** / Karol Kostúr, Marek Laciak, Martin Truchlý - 1. vyd - Košice : Reprocentrum, - 2005. - 173 s. - ISBN 80-8073-273-6.
[KOSTÚR, Karol - LACIAK, Marek - TRUCHLÝ, Martin]

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách(1)

ACB001 [221110] **Optimalizácia technológií na báze simulačných modelov** / Marek Laciak - 1. vyd. - Košice : Technická univerzita v Košiciach - 2020. - 100 s. [print]. - ISBN 978-80-553-3609-1.
[LACIAK, Marek]

ADC - Vedecké práce v zahraničných karentovaných časopisoch(13)

ADC001 [121782] **Štúdium podzemného splyňovania uhlia v laboratórnych podmienkach** / Marek Laciak ... [et al.] - 2012.In: Chemické listy. Vol. 106, no. 5 (2012), p. 384-391. - ISSN 0009-2770
[LACIAK, Marek - ŠKVAREKOVÁ, Erika - DURDÁN, Milan - KOSTÚR, Karol - WITTENBERGER, Gabriel]

ADC002 [141439] **System for indirect temperature measurement in annealing process** / Milan Durdán ... [et al.] - 2014.In: Measurement. Vol. 47, no. 1 (2014), p. 911-918. - ISSN 0263-2241
[DURDÁN, Milan - MOJŽIŠOVÁ, Andrea - LACIAK, Marek - KAČUR, Ján]

ADC003 [145849] **Impact analysis of the oxidant in the process of underground coal gasification** / J. Kačur ... [et al.] - 2014.In: Measurement. Vol. 51, no. 1 (2014), p. 147-155. - ISSN 0263-2241
[KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek - FLEGNER, Patrik]

ADC004 [149975] **Measurement and processing of vibro-acoustic signal from the process of rock disintegration by rotary drilling** / Patrik Flegner ... [et al.] - 2014.In: Measurement. Vol. 56 (2014), p. 178-193. - ISSN 0263-2241 Spôsob prístupu:
<http://www.sciencedirect.com/science/article/pii/S0263224114002863>.
[FLEGNER, Patrik - KAČUR, Ján - DURDÁN, Milan - LEŠŠO, Igor - LACIAK, Marek]

ADC005 [156578] **Low-calorific gasification of underground coal with a higher humidity** / Karol Kostúr ... [et al.] - 2015.In: Measurement. Vol. 63 (2015), p. 69-80. - ISSN 0263-2241 Spôsob prístupu:
<http://dx.doi.org/10.1016/j.measurement.2014.12.016>.
[KOSTÚR, Karol - LACIAK, Marek - DURDÁN, Milan - KAČUR, Ján - FLEGNER, Patrik]

ADC006 [160620] **Research of annealing process in laboratory conditions** / Milan Durdán ... [et al.] - 2015.In: Measurement. Vol. 73 (2015), p. 607-618. - ISSN 0263-2241
[DURDÁN, Milan - STEHLÍKOVÁ, Beáta - PÁSTOR, Marcel - KAČUR, Ján - LACIAK, Marek - FLEGNER, Patrik]

ADC007 [166367] **Significant damages of core diamond bits in the process of rocks drilling** / Patrik Flegner ... [et al.] - 2016.In: Engineering Failure Analysis. Vol. 59 (2016), p. 354–365. - ISSN 1350-6307
Spôsob prístupu: <http://www.sciencedirect.com/science/article/pii/S1350630715301163>.

[FLEGNER, Patrik - KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek - STEHLÍKOVÁ, Beáta - PÁSTOR, Marcel]

ADC008 [172879] **The analysis of the underground coal gasification in experimental equipment** / Marek Laciak ... [et al.] - 2016.In: Energy. Vol. 114 (2016), p. 332-343. - ISSN 0360-5442

[LACIAK, Marek - KOSTÚR, Karol - DURDÁN, Milan - KAČUR, Ján - FLEGNER, Patrik]

ADC009 [194384] **Some influences of underground coal gasification on the environment** / Karol Kostúr, Marek Laciak, Milan Durdán - 2018.In: Sustainability. Vol. 10, no. 5 (2018), p. 1-31. - ISSN 2071-1050
Spôsob prístupu: <http://www.mdpi.com/2071-1050/10/5/1512>.

[KOSTÚR, Karol - LACIAK, Marek - DURDÁN, Milan]

ADC010 [205541] **Processing a measured vibroacoustic signal for rock type recognition in rotary drilling technology** / Patrik Flegner ... [et al.] - 2019.In: Measurement : journal of the International Measurement Confederation. - London (Veľká Británia) : Institute of Measurement and Control č. 134 (2019), s. 451-467 [print]. - ISSN 0263-2241
Spôsob prístupu: <https://doi.org/10.1016/j.measurement.2018.10.090>.

[FLEGNER, Patrik - KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek]

ADC011 [207643] **Evaluating noise sources in a working environment when disintegrating rocks by rotary drilling** / Patrik Flegner ... [et al.] - 2019.In: Polish Journal of Environmental Studies = PJOES. - Olsztyn (Poľsko) : Hard Roč. 28, č. 5 (2019), s. 3711-3720 [online, print]. - ISSN 1230-1485
Spôsob prístupu: <http://www.pjoes.com/Evaluation-of-noise-sources-in-the-working-environment-when-disintegrating-rocks.94848.0.2.html>.

[FLEGNER, Patrik - KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek]

ADC012 [209725] **Evaluation of synthetic gas harmful effects created at the underground coal gasification process realized in laboratory conditions** / Milan Durdán ... [et al.] - 2019.In: Measurement : journal of the International Measurement Confederation. - London (Veľká Británia) : Institute of Measurement and Control č. 147 (2019), s. 1-11 [print]. - ISSN 0263-2241
Spôsob prístupu: <https://www.sciencedirect.com/science/article/pii/S0263224119307237>.

[DURDÁN, Milan - LACIAK, Marek - KAČUR, Ján - FLEGNER, Patrik - KOSTÚR, Karol]

ADC013 [209727] **Thermophysical properties estimation in annealing process using the iterative dynamic programming method and gradient method** / Milan Durdán ... [et al.] - 2019.In: Energies. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 12, č. 17 (2019), s. 1-24 [online]. - ISSN 1996-1073 (online)
Spôsob prístupu: <https://www.mdpi.com/1996-1073/12/17/3267>.

[DURDÁN, Milan - KAČUR, Ján - LACIAK, Marek - FLEGNER, Patrik]

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch(8)

ADE001 [22794] **Model for indirect measurements of LD Steelmaking Process** / Karol Kostúr, Marek Laciak - 2002.In: Metalurgija. Vol. 41, no. 2 (2002), p. 113-116. - ISSN 0543-5846

[KOSTÚR, Karol - LACIAK, Marek]

ADE002 [54757] **The estimation of thermo-physical quantities of the materials in indirect temperature measurement of charge** / Milan Durdán, Marek Laciak, Karol Kostúr - 2006.In: Sborník vědeckých prací Vysoké školy báňské - Technické univerzity Ostrava. Ročník LII, Řada strojní. - Ostrava : VŠB-TU, 2006 P. 31-36. - ISSN 1210-0471
Spôsob prístupu: http://www.fs.vsb.cz/transactions/2006-2/1529_DURDAN_Milan_LACIAK_Marek_KOSTUR_Karol.pdf.

[DURDÁN, Milan - LACIAK, Marek - KOSTÚR, Karol]

ADE003 [104094] **Riadenie procesu splyňovania uhlia s využitím PLC** / Ján Kačur, Marek Laciak - 2010. In: Automa. Vol. 16, no. 10 (2010), p. 46-49. - ISSN 1210-9592 Spôsob prístupu:
<http://www.odbornecasopisy.cz/?CenterContentExec=CenterCisloObsah¶m1=40150¶m2=41959>

[KAČUR, Ján - LACIAK, Marek]

ADE004 [123785] **Nepriame meranie teplôt pri žíhaní oceliarených zvitkov v poklopovej peci** / Milan Durdán, Ján Kačur, Marek Laciak - 2012. In: Automa. Vol. 18, no. 7 (2012), p. 35-38. - ISSN 1210-9592

[DURDÁN, Milan - KAČUR, Ján - LACIAK, Marek]

ADE005 [129965] **Aplikácia pre projektovanie technologickej linky - PROTELIN** / Marek Laciak, Marian Šofranko, Lukáš Revilák - 2012. In: Minerální suroviny. Vol. 14., no. 3-4 (2012), p. 32-35. - ISSN 1212-7248

[LACIAK, Marek - ŠOFRANKO, Marian - REVILÁK, Lukáš]

ADE006 [136117] **Appraisal of the population threat risk by carbon leakage produced by underground coal gasification** / Marian Šofranko, Erika Škvareková, Marek Laciak - 2013. In: The Holistic Approach to Environment. Vol. 3, no. 2 (2013), p. 83-91. - ISSN 1848-0071 Spôsob prístupu:
<http://www.cpo.hr/Paper%2039.pdf>

[ŠOFRANKO, Marian - ŠKVAREKOVÁ, Erika - LACIAK, Marek]

ADE007 [180813] **Possibilities of indirectly measured variables in the extraction and processing of raw materials** / Tawfik Mudarri, Marek Laciak, Diana Rášková - 2017. In: Interdisciplinarity in theory and practice: www.itpb.eu. No. 12 (2017), p. 72-77. - ISBN 2344-2409

[MUDARRI, Tawfik - LACIAK, Marek - RÁŠKAYOVÁ, Diana]

ADE008 [190194] **Spojité regulácia výšky hladiny PID regulátorom na laboratórnom modeli** / Diana Rášková, Marek Laciak, Milan Durdán - 2017. In: GRANT Journal. Vol. 6, no. 2 (2017), p. 104-107. - ISSN 1805-0638

[RÁŠKAYOVÁ, Diana - LACIAK, Marek - DURDÁN, Milan]

ADF - Vedecké práce v domácich nekarentovaných časopisoch(13)

ADF001 [0011836] **Analýza metód optimálneho riadenia procesov s využitím simulačného modelu** / Marek Laciak, Karol Kostúr - 2000. In: AT & P Journal. Roč. 7, č. 8 (2000), s. 65-68. - ISSN 1335-2237

[LACIAK, Marek - KOSTÚR, Karol]

ADF002 [0014051] **Subsystem nepriameho merania teplôt ocele v konvertore (1)** / K. Kostúr, M. Laciak - 2001. In: AT & P Journal. Roč. 8, č. 8 (2001), s. 52-53. - ISSN 1335-2237

[KOSTÚR, Karol - LACIAK, Marek]

ADF003 [0014052] **Subsystem nepriameho merania teplôt ocele v konvertore (2)** / K. Kostúr, M. Laciak - 2001. In: AT & P Journal. Roč. 8, č. 9 (2001), s. 79-81. - ISSN 1335-2237

[KOSTÚR, Karol - LACIAK, Marek]

ADF004 [37072] **The controlling of heating flow for coke plant** / Marek Laciak, Karol Kostúr - 2003. In: Acta Montanistica Slovaca. Roč. 8, č. 4 (2003), s. 153-155. - ISSN 1335-1788

[LACIAK, Marek - KOSTÚR, Karol]

ADF005 [73558] **The analysis of models for indirect measurement of surface temperatures in massive charge** / Marek Laciak, Karol Kostúr, Martin Truchlý - 2008. In: Acta Montanistica Slovaca. Roč. 13, č. 1 (2008), s. 94-99. - ISSN 1335-1788 Spôsob prístupu:
<http://actamont.tuke.sk/pdf/2008/n1/13laciak.pdf>

[LACIAK, Marek - KOSTÚR, Karol - TRUCHLÝ, Martin]

ADF006 [78539] **Návrh solárnej sušiarne na sušenia sypkých materiálov** / Peter Horbaj ... [et al.] - 2008.In: Acta Montanistica Slovaca. Roč. 13, č. 3 (2008), s. 368-373. - ISSN 1335-1788
[HORBAJ, Peter - TAUŠ, Peter - FIEDOROVÁ, Zuzana - LACIAK, Marek]

ADF007 [86233] **Automatizovaný systém riadenia podzemného splyňovania uhlia v laboratórnych podmienkach** / Marek Laciak, Ján Kačur - 2009.In: AT&P Journal. Č. 8 (2009), s. 47-52. - ISSN 1335-2237 Spôsob prístupu: <http://www.atpjournal.sk/>.
[LACIAK, Marek - KAČUR, Ján]

ADF008 [101840] **Komunikácia medzi PC a PLC pri monitorovaní a riadení procesu splyňovania uhlia** / Marek Laciak, Jan Kačur - 2010.In: AT and P Journal. Roč. 17, č. 8 (2010), s. 40-42. - ISSN 1336-233X Spôsob prístupu: <http://www.atpjournal.sk/>.
[LACIAK, Marek - KAČUR, Ján]

ADF009 [107258] **Meranie relevantných veličín v procese podzemného splyňovania uhlia** / Ján Kačur, Marek Laciak, Milan Durdán - 2010.In: AT and P journal. Roč. 17, č. 11 (2010), s. 51-55. - ISSN 1335-2237
[KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan]

ADF010 [98044] **Optimálne riadenie procesu splyňovania uhlia v laboratórnych podmienkach** / Marek Laciak, Ján Kačur - 2010.In: AT and P Journal. Č. 4 (2010), s. 47-50. - ISSN 1336-233X Spôsob prístupu: <http://www.atpjournal.sk/index.html>.
[LACIAK, Marek - KAČUR, Ján]

ADF011 [111023] **Vzdialené monitorovanie a riadenie procesu UCG** / Ján Kačur, Marek Laciak, Milan Durdán - 2011.In: ATP Journal. Č. 6 (2011), s. 46-49. - ISSN 1335-2237 Spôsob prístupu: <http://www.atpjournal.sk/buxus/docs/atp%20journal%206%202011%20str%2046-49.pdf>.
[KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan]

ADF012 [122531] **Utilization of indirect measurement in the annealing process of the steel coils** / Marek Laciak, Milan Durdán, Ján Kačur - 2012.In: Acta Metallurgica Slovaca. Roč. 18, č. 1 (2012), s. 40-49. - ISSN 1338-1156 Spôsob prístupu: <http://www.ams.tuke.sk/index.php?mi=06&lng=sk>.
[LACIAK, Marek - DURDÁN, Milan - KAČUR, Ján]

ADF013 [166592] **Projektovanie technologickej linky na výrobu kameniva pomocou aplikácie PROTELIN** / Marian Šofranko, Marek Laciak - 2015.In: SZVK. Roč. 17, č. 2 (2015), s. 14-18. - ISSN 2423-2000
[ŠOFRANKO, Marian - LACIAK, Marek]

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS(4)

ADM001 [209329] **A Comparative Study of Data-Driven Modeling Methods for Soft-Sensing in Underground Coal Gasification** / Ján Kačur ... [et al.] - 2019.In: Acta Polytechnica : journal of advanced engineering. - Praha (Česko) : České vysoké učení technické v Praze Roč. 59, č. 4 (2019), s. 322-351 [print, online]. - ISSN 1210-2709 Spôsob prístupu: <https://ojs.cvut.cz/ojs/index.php/ap/article/view/5173>.
[KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek - FLEIGNER, Patrik]

ADM002 [210941] **Soft-Sensing in Batch Annealing Based on Finite Differential Method and Support Vector Regression** / Ján Kačur ... [et al.] - 2019.In: Advances in Science and Technology Research Journal. - Lublin (Poľsko) : Society of Polish Mechanical Engineers and Technicians Roč. 13, č. 4 (2019), s. 70-86 [print]. - ISSN 2080-4075 Spôsob prístupu: <http://www.astroj.com/Soft-Sensing-in-Batch-Annealing-Based-on-Finite-Differential-Method-and-Support-Vector,112542,0,2.html>.

[KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek - FLEGNER, Patrik]

ADM003 [211678] **Model Predictive Control of UCG: An Experiment and Simulation Study** / Ján Kačur ... [et al.] - 2019.In: Information Technology and Control. - Kaunas (Litva) : Kauno Technologijos Universitetas Roč. 48, č. 4 (2019), s. 557-578 . - ISSN 1392-124X
[KAČUR, Ján - FLEGNER, Patrik - DURDÁN, Milan - LACIAK, Marek]

ADM004 [215870] **Application of multivariate adaptive regression in soft-sensing and control of UCG** / Ján Kačur ... [et al.] - 2019.In: International Journal of Modelling, Identification and Control = IJMIC. - Ženeva (Švajčiarsko) : Inderscience Publishers Roč. 33, č. 3 (2019), s. 246-260 [print]. - ISSN 1746-6172 Spôsob prístupu: <https://www.inderscience.com/info/inarticle.php?artid=105971>.
[KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan - FLEGNER, Patrik]

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS(1)

ADN001 [160476] **Application of adaptive filters in rock separation by rotary drilling process identification** / Patrik Flegner ... [et al.] - 2015.In: Acta Montanistica Slovaca. Roč. 20, č. 1 (2015), s. 38-48. - ISSN 1335-1788
[FLEGNER, Patrik - KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek]

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách(10)

AEC001 [22799] **Models for indirect temperature measurements of melt in LD converter** / Marek Laciak, Karol Kostúr - 2002.In: ICCC '2002. - Ostrava : VŠB-TU, 2002 P. 69-74. - ISBN 8024800896
[LACIAK, Marek - KOSTÚR, Karol]

AEC002 [22805] **Programové produkty nepriameho merania teplôt v LD konvertore** / Marek Laciak, Gabriel Tréfa - 2002.In: Process Control 2002. - Pardubice : University of Pardubice, 2002 S. 181. - ISBN 8071944521
[LACIAK, Marek - TRÉFA, Gabriel]

AEC003 [36636] **The analysis of system of indirect measurement temperature** / Marek Laciak, Miroslav Gera - 2004.In: ICCC '2004. Volume 1. - Krakow : AGH-UST, 2004 P. 583-588. - ISBN 8389772000
[LACIAK, Marek - GERA, Miroslav]

AEC004 [36641] **The structures of models for control coking plant** / Karol Kostur, Marek Laciak, Marcel Pastor - 2004.In: Contemporary Problems of Thermal Engineering. - Gliwice : Silesian University of Technology, 2004 P. 241-246. - ISBN 8391872750
[KOSTÚR, Karol - LACIAK, Marek - PÁSTOR, Marcel]

AEC005 [36643] **The system of indirect measurement during the melt in LD converter** / Marek Laciak, Karol Kostur, G. Trefa - 2004.In: Contemporary Problems of Thermal Engineering. - Gliwice : Silesian University of Technology, 2004 P. 263-269. - ISBN 8391872750
[LACIAK, Marek - KOSTÚR, Karol - TREFA, G.]

AEC006 [36644] **Indirect measured temperature in LD converter** / K. Kostúr, M. Laciak, G. Trefa - 2004.In: New Developments in Metallurgical Process Technology. - Milano : Associazione Italiana di Metallurgia, 2004 9 p. - ISBN 8885298516
[KOSTÚR, Karol - LACIAK, Marek - TRÉFA, Gabriel]

AEC007 [37786] **Feedforward control system of coke-oven with correction model** / Marek Laciak, Karol Kostúr, Martin Jaco - 2005.In: ICCC '2005. Volume 1. - Miskolc : University of Miskolc, 2005 P. 197-202. - ISBN 9636616442

[LACIAK, Marek - KOSTÚR, Karol - JACO, Martin]

AEC008 [37788] **InterMix computer prediction model** / Gabriel Tréfa, Peter Korytko, Marek Laciak - 2005. In: ICCC '2005. Volume 2. - Miskolc : University of Miskolc, 2005 S. 285-290. - ISBN 9636616450 [TRÉFA, Gabriel - KORYTKO, Peter - LACIAK, Marek]

AEC009 [54760] **The types of indirect measurement** / Karol Kostúr, Marek Laciak, Martin Truchlý - 2006. In: Sborník vědeckých prací Vysoké školy báňské - Technické univerzity Ostrava. Ročník LII, Řada strojní. - Ostrava : VŠB-TU, 2006 P. 103-108. - ISBN 8024812118 Spôsob prístupu: http://www.fs.vsb.cz/transactions/2006-2/1541_KOSTUR_LACIAK_TRUCHLY.pdf. [KOSTÚR, Karol - LACIAK, Marek - TRUCHLÝ, Martin]

AEC010 [148982] **Optimization of device selection in design of technological lines for the aggregates production** / Marek Laciak, Marian Šofranko - 2014. In: Applied Mechanics and Materials : Applied Mechanics and Mechatronics. Vol. 611 (2014), p. 387-394. - ISBN 978-3-03835-189-4 - ISSN 1660-9336 [LACIAK, Marek - ŠOFRANKO, Marian]

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách(2)

AED001 [22810] **The controlling of heating flow for coke plant** / Marek Laciak, Karel Kostúr - 2003. In: ICCC '2003. - Košice : TU-FBERG, 2003 S. 135-138. - ISBN 8070995092 [LACIAK, Marek - KOSTÚR, Karol]

AED002 [22812] **The indirect measurements of temperature in steel converter by continually adaptation** / Marek Laciak, Karel Kostúr, Gabriel Tréfa - 2003. In: ICCC '2003. - Košice : TU-FBERG, 2003 S. 139-142. - ISBN 8070995092 [LACIAK, Marek - KOSTÚR, Karol - TRÉFA, Gabriel]

AFC - Publikované príspevky na zahraničných vedeckých konferenciách(48)

AFC001 [0011903] **Simulačný model LD konvertora** / Peter Bubelíny, Karol Kostúr, Marek Laciak - 2000. In: Modelling Simulation of Systems. - Ostrava : [s.n.], 2000 P. 125-129. [BUBELÍNÝ, Peter - KOSTÚR, Karol - LACIAK, Marek]

AFC002 [0011905] **Predikcia procesu skujňovania ocele v LD konvertore** / Marek Laciak, Karol Kostúr, Peter Bubelíny - 2000. In: Process control 2000. - Pardubice : University of Pardubice, 2000 5 p. - ISBN 8071942715 [LACIAK, Marek - KOSTÚR, Karol - BUBELÍNÝ, Peter]

AFC003 [0014054] **Models for prediction of LD process** / K. Kostúr, M. Laciak - 2001. In: ICCC '2001. - Krakow : AGH Krakow, 2001 P. 159-164. - ISBN 8391340074 [KOSTÚR, Karol - LACIAK, Marek]

AFC004 [0014063] **Predikčný model LD konvertora** / Marek Laciak - 2001. In: Advanced Simulation of Systems. - Ostrava : MARQ, 2001 S. 265-270. - ISBN 8085988615 [LACIAK, Marek]

AFC005 [36640] **Systém riadenia vykurovania koksárenskej batérie** / Marek Laciak, Karol Kostúr, Marcel Pástor - 2004. In: Process Control 2004. - Pardubice : University of Pardubice, 2004 P. R004-1-R004-8. - ISBN 8071946621 [LACIAK, Marek - KOSTÚR, Karol - PÁSTOR, Marcel]

AFC006 [50591] **The classification systems of indirect measurement** / Karol Kostúr, Marek Laciak, Martin Truchlý - 2006. In: ICCC '2006. - Ostrava : VŠB-TU, 2006 P. 277-280. - ISBN 8024810662

[KOSTÚR, Karol - LACIAK, Marek - TRUCHLÝ, Martin]

AFC007 [50595] **The estimation of thermo-physical quantities of the materials in the system of indirect temperature measurement** / Marek Laciak, Milan Durdán, Karol Kostúr - 2006.In: ICC'2006. - Ostrava : VŠB-TU, 2006 P. 325-328. - ISBN 8024810662
[LACIAK, Marek - DURDÁN, Milan - KOSTÚR, Karol]

AFC008 [50598] **The development of methods for measurement of the specific heat capacity of materials** / Martin Truchlý, Marek Laciak, Karol Kostúr - 2006.In: ICC'2006. - Ostrava : VŠB-TU, 2006 P. 643-646. - ISBN 8024810662
[TRUCHLÝ, Martin - LACIAK, Marek - KOSTÚR, Karol]

AFC009 [51543] **Stanovenie teplotovej vodivosti využitím metódy iteratívneho dynamického programovania** / Marek Laciak, Truchlý Martin, Karol Kostúr - 2006.In: Process control 2006. - Pardubice : University of Pardubice, 2006 P. R202-1-R202-7. - ISBN 8071948608
[LACIAK, Marek - TRUCHLÝ, Martin - KOSTÚR, Karol]

AFC010 [72168] **Simulation analysis for UCG with thermodynamical model** / Marek Laciak, Ján Kačur, Karol Kostúr - 2008.In: ICC'2008. - Craiova : University of Craiova, 2008 P. 358-361. - ISBN 9789737468970 Spôsob prístupu: <http://www.automation.ucv.ro/icc/index.php?param=finalconfer...>
[LACIAK, Marek - KAČUR, Ján - KOSTÚR, Karol]

AFC011 [73455] **Identification of fractional-order dynamical systems based on nonlinear function optimization** / Ľubomír Dorčák, Ján Terpák, Marek Laciak - 2008.In: ICC'2008 : 9. medzinárodná konferencia : Sinaia, 25.-28.5.2008. - Craiova : University of Craiova, 2008 P. 127-130. - ISBN 9789737468970
[DORČÁK, Ľubomír - TERPÁK, Ján - LACIAK, Marek]

AFC012 [74057] **Monitoring and control system of the experimental gasification equipment** / Ján Kačur, Marek Laciak, Karol Kostúr - 2008.In: Process Control 2008. - Pardubice : Univerzita Pardubice, 2008 P. C097a-1-C097a-14. - ISBN 9788073950774 Spôsob prístupu: <http://www.rip08.cz/>.
[KAČUR, Ján - LACIAK, Marek - KOSTÚR, Karol]

AFC013 [84725] **Proposal of the UCG control based on continuous identification** / Marek Laciak, Milan Durdán, Ján Kačur - 2009.In: ICC'2009. - Krakow : AGH - University of Science and Technology, 2009 P. 395-398. - ISBN 8389772515
[LACIAK, Marek - DURDÁN, Milan - KAČUR, Ján]

AFC014 [84727] **Mathematical modelling of the UCG process** / Milan Durdán, Marek Laciak, Ján Kačur - 2009.In: ICC'2009. - Krakow : AGH - University of Science and Technology, 2009 P. 407-410. - ISBN 8389772515
[DURDÁN, Milan - LACIAK, Marek - KAČUR, Ján]

AFC015 [84729] **Proposal and realization of the automated control system of the UCG** / Ján Kačur, Milan Durdán and Marek Laciak - 2009.In: ICC'2009. - Krakow : AGH - University of Science and Technology, 2009 P. 187-190. - ISBN 8389772515
[KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek]

AFC016 [98040] **Automated system for UCG optimal control** / Ján Kačur, Marek Laciak, Milan Durdán - 2010.In: ICC'2010 : proceedings of 11th International Carpathian Control Conference : 26-28 May, 2010, Eger, Hungary. - Miskolc : Rekatel, 2010 P. 245-248. - ISBN 978-963-06-9289-2
[KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan]

AFC017 [98041] **Indirect measurement system of the inner temperatures in the steel roll** / Milan Durdán, Ján Kačur, Marek Laciak - 2010.In: ICC'2010 : proceedings of 11th international conference :

Eger, Hungary, May 26-29, 2010. - Miškolc : Rekatel Bt., 2010 P. 343-346. - ISBN 978-963-06-9289-2
[DURDÁN, Milan - KAČUR, Ján - LACIAK, Marek]

AFC018 [98042] **The effect of oxidization and reduction zones on the quality of UCG process** / Marek Laciak, Ján Kačur, Karol Kostúr - 2010.In: ICCC 2010 : proceedings of 11th international conference : Eger, Hungary, May 26-29, 2010. - Miškolc : Rekatel Bt., 2010 P. 383-386. - ISBN 978-963-06-9289-2
[LACIAK, Marek - KAČUR, Ján - KOSTÚR, Karol]

AFC019 [110202] **Hilbert spaces as an efficient instrument for signal processing in geotechnics** application of vector quantisation method in Hilbert space for effective and quality process control of rock disintegration by rotary drilling/ Igor Leššo ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: ICCC 2011 : proceedings of the 12th International Carpatian Control Conference : 25-28 May 2011, Velké Karlovice, Czech Republic. - S.l. : IEEE, 2011 P. 253-256. - ISBN 978-1-61284-359-9
[LEŠŠO, Igor - FLEGNER, Patrik - LACIAK, Marek - FERIANČIKOVÁ, Katarína]

AFC020 [110210] **Corrective feed-back control of the annealing process with utilization of the indirect measurement** / Milan Durdán, Ján Kačur, Marek Laciak - 2011. - 1 elektronický optický disk (CD-ROM).In: ICCC 2011 : proceedings of the 12th International Carpatian Control Conference : 25-28 May 2011, Velké Karlovice, Czech Republic. - S.l. : IEEE, 2011 P. 98-101. - ISBN 978-1-61284-359-9
[DURDÁN, Milan - KAČUR, Ján - LACIAK, Marek]

AFC021 [110212] **Remote monitoring and control of the UCG process** / Ján Kačur, Marek Laciak, Milan Durdán - 2011. - 1 elektronický optický disk (CD-ROM).In: ICCC 2011 : proceedings of the 12th International Carpatian Control Conference : 25-28 May 2011, Velké Karlovice, Czech Republic. - S.l. : IEEE, 2011 P. 180-184. - ISBN 978-1-61284-359-9
[KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan]

AFC022 [110214] **Monitoring and control of temperatures in electric furnace in PROMOTIC system** / Marek Laciak, Peter Fazekaš, Ján Kačur - 2011. - 1 elektronický optický disk (CD-ROM).In: ICCC 2011 : proceedings of the 12th International Carpatian Control Conference : 25-28 May 2011, Velké Karlovice, Czech Republic. - S.l. : IEEE, 2011 P. 243-246. - ISBN 978-1-61284-359-9
[LACIAK, Marek - FAZEKAŠ, Peter - KAČUR, Ján]

AFC023 [111821] **Material and energy balance of the UCG process in the laboratory conditions** / Marek Laciak, Ján Kačur, Milan Durdán - 2011. - 1 elektronický optický disk (CD-ROM).In: SGEM 2011 : 11th International Multidisciplinary Scientific GeoConference : Conference Proceedings : Volume 3 : 20-25 June, 2011, Bulgaria. - Sofia : STEF92 Technology, 2011 P. 69-76. - ISSN 1314-2704
[LACIAK, Marek - KAČUR, Ján - DURDÁN, Milan]

AFC024 [111822] **Underground coal gasification in laboratory conditions** / Marek Laciak ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: SGEM 2011 : 11th International Multidisciplinary Scientific GeoConference : Conference Proceedings : Volume 3 : 20-25 June, 2011, Bulgaria. - Sofia : STEF92 Technology, 2011 P. 123-130. - ISSN 1314-2704
[LACIAK, Marek - KAČUR, Ján - DURDÁN, Milan - ŠKVAREKOVÁ, Erika - WITTENBERGER, Gabriel]

AFC025 [134850] **Program Control of the Annealing Process with Utilization of the Indirect Measurement** / Milan Durdán, Ján Kačur, Marek Laciak - 2013.In: ICCC 2013 : 14th International Carpathian Control Conference : May 26-29, 2013, Ryto, Poland. - Piscataway : IEEE, 2013 P. 57-61. - ISBN 978-1-4673-4489-0
[DURDÁN, Milan - KAČUR, Ján - LACIAK, Marek]

AFC026 [134855] **Designing of the technological line in the SCADA system PROMOTIC** / Marek Laciak, Marian Šofranko - 2013.In: ICCC 2013 : 14th International Carpathian Control Conference : May 26-29, 2013, Ryto, Poland. - Piscataway : IEEE, 2013 P. 202-206. - ISBN 978-1-4673-4489-0

[LACIAK, Marek - ŠOFRANKO, Marian]

AFC027 [134859] **The proposal of the monitoring system of the annealing process in the SCADA system promotic** / Milan Durdán, Ján Kačur, Marek Laciak - 2013.In: ICCC 2013 : 14th International Carpathian Control Conference : May 26-29, 2013, Ryty, Poland. - Piscataway : IEEE, 2013 P. 68-72. - ISBN 978-1-4673-4489-0

[DURDÁN, Milan - KAČUR, Ján - LACIAK, Marek]

AFC028 [134861] **Utilization of the PLC as a web server for remote monitoring of the technological process** / Ján Kačur, Milan Durdán, Marek Laciak - 2013.In: ICCC 2013 : 14th International Carpathian Control Conference : May 26-29, 2013, Ryty, Poland. - Piscataway : IEEE, 2013 P. 144-149. - ISBN 978-1-4673-4489-0

[KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek]

AFC029 [139543] **The development of applications based on GPS for the technology of Sunlight booster** / Peter Tauš ... [et al.] - 2013.In: SGEM 2013 : 13th International Multidisciplinary Scientific Geoconference : Energy and clean technologies : conference proceedings : 16-22 June, 2013, Albena, Bulgaria. - Sofia : STEF92 Technology, 2013 P. 251-258. - ISBN 978-619-7105-03-2 - ISSN 1314-2704

[TAUŠ, Peter - LACIAK, Marek - VANEK, Jiri - KUDELAS, Dušan - KOŠČO, Ján]

AFC030 [147162] **Application of optimization method for optimal control of the steelmaking process** / Marek Laciak ... [et al.] - 2014.In: ICCC 2014 : proceedings of the 2014 15th International Carpathian Control Conference : Velke Karlovice, May 28-30, 2014. - Danvers : IEEE, 2014 P. 296-300. - ISBN 978-1-4799-3527-7

[LACIAK, Marek - KAČUR, Ján - DURDÁN, Milan - FLEGNER, Patrik]

AFC031 [159070] **System of indirect measurement temperature of melt with adaptation module** / Marek Laciak ... [et al.] - 2015.In: ICCC 2015. - Danvers : IEEE, 2015 P. 277-281. - ISBN 978-1-4799-7369-9

[LACIAK, Marek - KAČUR, Ján - DURDÁN, Milan - FLEGNER, Patrik]

AFC032 [162232] **Monitoring system of the annealing process with using power panel PP65** / Milan Durdán, Ján Kačur, Marek Laciak - 2015.In: SGEM 2015. - Sofia : STEF92 Technology Ltd., 2015 P. 207-214. - ISBN 978-619-7105-34-6

[DURDÁN, Milan - KAČUR, Ján - LACIAK, Marek]

AFC033 [178923] **Optimalizácia príkonu paliva do horákových zón tunelovej pece** / Diana Rášková, Marek Laciak - 2016.In: MMK 2016. - Hradec Králové : MAGNANIMITAS, 2016 P. 1384-1393. - ISBN 978-80-87952-17-7

[RÁŠKAYOVÁ, Diana - LACIAK, Marek]

AFC034 [181714] **The system of optimization quantity of oxidizers in UCG process with thermodynamic model** / Diana Rášková, Marek Laciak, Tawfik Mudarri - 2017.In: ICCC 2017. - Danvers : IEEE, 2017 P. 1-5. - ISBN 978-1-5090-5825-9 Spôsob prístupu: <http://ace.ucv.ro/iccc2017/>.

[RÁŠKAYOVÁ, Diana - LACIAK, Marek - MUDARRI, Tawfik]

AFC035 [181716] **Utilization of machine learning method in prediction of UCG data** / Ján Kačur ... [et al.] - 2017.In: ICCC 2017. - Danvers : IEEE, 2017 P. 1-6. - ISBN 978-1-5090-5825-9 Spôsob prístupu: <http://ace.ucv.ro/iccc2017/>.

[KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan - FLEGNER, Patrik]

AFC036 [183637] **UCG process visualization** / Milan Durdán ... [et al.] - 2017.In: SGEM 2017. - Sofia : STEF92 Technology Ltd., 2017 P. 727-734. - ISBN 978-619-7408-01-0

[DURDÁN, Milan - KAČUR, Ján - FLEGNER, Patrik - LACIAK, Marek]

- AFC037 [183643] **Shewhart control charts as a tool for analyzing the revolutions of drilling equipment** / Patrik Flegner ... [et al.] - 2017.In: SGEM 2017. - Sofia : STEF92 Technology Ltd., 2017 P. 549-555. - ISBN 978-619-7408-01-0
[FLEGNER, Patrik - KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek]
- AFC038 [183650] **Application of adaptive control methods in coal processing industry** / Ján Kačur ... [et al.] - 2017.In: SGEM 2017. - Sofia : STEF92 Technology Ltd., 2017 P. 103-110. - ISBN 978-619-7408-01-0
[KAČUR, Ján - DURDÁN, Milan - FLEGNER, Patrik - LACIAK, Marek]
- AFC039 [183656] **The verification of models for indirect measurement melt temperature in steelmaking process** / Tawfik Mudarri ... [et al.] - 2017.In: SGEM 2017. - Sofia : STEF92 Technology Ltd., 2017 P. 711-717. - ISBN 978-619-7408-01-0
[MUDARRI, Tawfik - LACIAK, Marek - KAČUR, Ján - FLEGNER, Patrik - DURDÁN, Milan]
- AFC040 [190189] **Regulácia výšky hladiny na laboratórnom modeli Armfield PCT40** / Diana Rášková, Marek Laciak, Milan Durdán - 2017.In: MMK 2017. - Hradec Králové : Magnanimitas, 2017 P. 1071-1078. - ISBN 978-80-87952-22-1
[RÁŠKAYOVÁ, Diana - LACIAK, Marek - DURDÁN, Milan]
- AFC041 [194207] **Optimization of control parameters of production refractory materials in tunnel furnace** / Diana Rášková ... [et al.] - 2018.In: ICCC 2018. - Danvers : IEEE, 2018 P. 104-107. - ISBN 978-1-5386-4761-5
[RÁŠKAYOVÁ, Diana - LACIAK, Marek - FLEGNER, Patrik - KAČUR, Ján - DURDÁN, Milan]
- AFC042 [196221] **Pulse-width modulation control of experimental bell furnace** / Ján Kačur ... [et al.] - 2018.In: SGEM 2018 conference proceedings. 2.1. Informatics, geoinformatics and remote sensing : Informatics. - Sofia (Bulharsko) : STEF92 Technology s. 649-656 [print]. - ISBN 978-619-7408-39-3 - ISSN 1314-2704
[KAČUR, Ján - DURDÁN, Milan - FLEGNER, Patrik - LACIAK, Marek - BOGDANOVSKÁ, Gabriela]
- AFC043 [196224] **Intelligent method of system state recognition in technical diagnostic** / Patrik Flegner ... [et al.] - 2018.In: SGEM 2018 conference proceedings. 2.1. Informatics, geoinformatics and remote sensing : Informatics. - Sofia (Bulharsko) : STEF92 Technology s. 507-513 [print]. - ISBN 978-619-7408-39-3 - ISSN 1314-2704
[FLEGNER, Patrik - KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan - BOGDANOVSKÁ, Gabriela]
- AFC044 [196225] **Modelling of the massive batch heating process** / Milan Durdán ... [et al.] - 2018.In: SGEM 2018 conference proceedings. 2.1. Informatics, geoinformatics and remote sensing : Informatics. - Sofia (Bulharsko) : STEF92 Technology s. 583-590 [print]. - ISBN 978-619-7408-39-3 - ISSN 1314-2704
[DURDÁN, Milan - KAČUR, Ján - FLEGNER, Patrik - LACIAK, Marek - BOGDANOVSKÁ, Gabriela]
- AFC045 [207630] **An advanced method of recognizing the state of the technological process in technical diagnostics** / Patrik Flegner .. [et al.] - 2019.In: ICCC 2019 : 20th International Carpathian Control Conference (ICCC). - Danvers (USA) : IEEE Industry Applications Society s. 1-5 [USB-key]. - ISBN 978-1-7281-0701-1
[FLEGNER, Patrik - KAČUR, Ján - TERPÁK, Ján - LACIAK, Marek - DURDÁN, Milan]
- AFC046 [208578] **Utilization of the Mathematical Model of the Converter Process for the Sensitivity Analysis** / Ján Terpák... [et al.] - 2019.In: ICCC 2019 : 20th International Carpathian Control Conference : Krakow - Wieliczka, Poland, May, 26-29, 2019. - Krakow : Institute of Electrical and Electronics Engineers s. 1-4 . - ISBN 978-1-7281-0702-8 Spôsob prístupu:
<https://ieeexplore.ieee.org/abstract/document/8766019>.
[TERPÁK, Ján - FLEGNER, Patrik - KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan - TRÉFA, Gabriel]

AFC047 [208612] **Automated system for optimizing input parameters of the UCG process** / Marek Laciak ... [et al.] - 2019.In: ICCC 2019 : 20th International Carpathian Control Conference (ICCC). - Danvers (USA) : IEEE Industry Applications Society s. 1-5 [USB-key]. - ISBN 978-1-7281-0701-1 Spôsob prístupu: <https://ieeexplore.ieee.org/document/8765962>.
[LACIAK, Marek - RÁŠKAYOVÁ, Diana - FLEGNER, Patrik - KAČUR, Ján - DURDÁN, Milan]

AFC048 [208708] **Application of Support Vector Regression for Data-Driven Modeling of Melt Temperature and Carbon Content in LD Converter** / Ján Kačur ... [et al.] - 2019.In: ICCC 2019 : 20th International Carpathian Control Conference (ICCC). - Danvers (USA) : IEEE Industry Applications Society s. 1-6 [USB-key]. - ISBN 978-1-7281-0701-1 Spôsob prístupu: <https://ieeexplore.ieee.org/abstract/document/8765956>.
[KAČUR, Ján - LACIAK, Marek - FLEGNER, Patrik - TERPÁK, Ján - DURDÁN, Milan - TRÉFA, Gabriel]

AFD - Publikované príspevky na domácich vedeckých konferenciách(15)

AFD001 [0011846] **Optimal control of the LD process** / M. Laciak, K. Kostúr - 2000.In: ICCC '2000. - Košice : SSAKI, 2000 S. 237-230. - ISBN 8070995106
[LACIAK, Marek - KOSTÚR, Karol]

AFD002 [0014047] **Statický model konvertorovej tavby** / M. Pástor, M. Laciak - 2001.In: Metallurgy junior 2001. - Košice : TU-HF, 2001 S. 26-29.
[PÁSTOR, Marcel - LACIAK, Marek]

AFD003 [0014048] **Predikcia teploty v LD konvertore** / M. Laciak, M. Pástor - 2001.In: Metallurgy junior 2001. - Košice : TU-HF, 2001 S. 21-25.
[LACIAK, Marek - PÁSTOR, Marcel]

AFD004 [22807] **Automatizácia systému nepriameho merania teplôt v konvertore** / Marek Laciak, Gabriel Tréfa, Marcel Pástor - 2002.In: Metallurgy junior 2002. - Košice : Slovenská hutnícka spoločnosť, 2002 S. 9-17.
[LACIAK, Marek - TRÉFA, Gabriel - PÁSTOR, Marcel]

AFD005 [22819] **Analýza tlakových pomerov prúdenia plynov na koksárenskej batérii** / Marcel Pástor, Marek Laciak, Paľo Róbert - 2002.In: Metallurgy junior 2002. - Košice : Slovenská hutnícka spoločnosť, 2002 S. 1-8.
[PÁSTOR, Marcel - LACIAK, Marek - PAĽO, Róbert]

AFD006 [22814] **Implementation of system of indirect temperature measurement in U.S. Steel Košice, s.r.o.** / Gabriel Tréfa ... [et al.] - 2003.In: ICCC '2003. - Košice : TU-FBERG, 2003 S. 202-205. - ISBN 8070995092
[TRÉFA, Gabriel - LACIAK, Marek - MAREK, Pavol - GERA, Miroslav]

AFD007 [79778] **Metodika vyhodnotenia možností využitia dendromasy v regióne na energetické účely** / Peter Tauš, Peter Horbaj, Marek Laciak - 2007.In: RESpect 2007. - Košice : FBERG TU, 2008 S. 40-45. - ISBN 9788055301136 Spôsob prístupu: http://www.fberg.tuke.sk/bergweb/konferencie/2008/respect_%202007_zbornik.pdf.
[TAUŠ, Peter - HORBAJ, Peter - LACIAK, Marek]

AFD008 [121914] **Design of Control Algorithm for the Technology SunLight Booster** / Peter Tauš ... [et al.] - 2012.In: The application of experimental and numerical methods in fluid mechanics and energy 2012 : 18. International Scientific Conference : 25.4. - 27.4.2012, Demänovská dolina, Slovakia. - Žilina : University of Žilina, 2012 S. 274-279. - ISBN 978-80-554-0516-2
[TAUŠ, Peter - LACIAK, Marek - TOMČEJOVÁ, Jana - NOVÁČEK, Erich]

AFD009 [122516] **Discreet control of annealing process with utilization of indirect measurement /**

Milan Durdán, Ján Kačur, Marek Laciak - 2012. - 1 elektronický optický disk (CD-ROM).In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012. - Piscataway : IEEE, 2012 S. 141-146. - ISBN 978-1-4577-1866-3
[DURDÁN, Milan - KAČUR, Ján - LACIAK, Marek]

AFD010 [122517] **System for indirect measurement of the heat flows in the annealing process** / Ján Kačur, Milan Durdán, Marek Laciak - 2012. - 1 elektronický optický disk (CD-ROM).In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012. - Piscataway : IEEE, 2012 S. 259-263. - ISBN 978-1-4577-1866-3
[KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek]

AFD011 [122518] **Remote monitoring of the temperatures for indirect measurement system** / Ján Kačur, Marek Laciak, Milan Durdán - 2012. - 1 elektronický optický disk (CD-ROM).In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012. - Piscataway : IEEE, 2012 S. 264-268. - ISBN 978-1-4577-1866-3
[KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan]

AFD012 [122519] **Verification of the system for indirect temperatures measurement in the massive batch** / Marek Laciak, Ján Kačur, Milan Durdán - 2012. - 1 elektronický optický disk (CD-ROM).In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012. - Piscataway : IEEE, 2012 S. 413-417. - ISBN 978-1-4577-1866-3
[LACIAK, Marek - KAČUR, Ján - DURDÁN, Milan]

AFD013 [127615] **Posudzovanie rizika požiaru pri ťažbe, transporte a uskladňovaní uhľovodíkov** / Marian Šofranko, Marek Laciak - 2012.In: Doprava a logistika : 16. medzinárodná vedecko-technická konferencia : Nové poznatky v oblasti víťania, ťažby, dopravy a uskladňovania uhľovodíkov : Podbanské, 2012. - Košice : TU, 2012 Mimoriadne č. 11 (2012), s. 175-180. - ISSN 1451-107X
[ŠOFRANKO, Marian - LACIAK, Marek]

AFD014 [171499] **The using of thermodynamic model for the optimal setting of input parameters in the UCG process** / Marek Laciak, Diana Rášková - 2016.In: ICCC 2016. - Danvers : IEEE, 2016 P. 418-423. - ISBN 978-1-4673-8605-0
[LACIAK, Marek - RÁŠKOVÁ, Diana]

AFD015 [171524] **The verification of thermodynamic model for UCG process** / Marek Laciak, Ján Kačur, Karol Kostúr - 2016.In: ICCC 2016. - Danvers : IEEE, 2016 P. 424-428. - ISBN 978-1-4673-8605-0
[LACIAK, Marek - KAČUR, Ján - KOSTÚR, Karol]

AFG - Abstrakty príspevkov zo zahraničných konferencií(3)

AFG001 [110219] **The Estimate of the Temperature Conductivity in the System of Indirect Measurement** / Marek Laciak, Karol Kostúr - 2006.In: Metalurgija. Vol. 45, no. 3 (2006), p. 264-265. - ISSN 0543-5846
[LACIAK, Marek - KOSTÚR, Karol]

AFG002 [51476] **System of indirect measurement of the heat flows** / Milan Durdán, Karol Kostúr, Marek Laciak - 2006.In: Process Control 2006. - Pardubice : University of Pardubice, 2006 P. 146. - ISBN 8071948608
[DURDÁN, Milan - KOSTÚR, Karol - LACIAK, Marek]

AFG003 [73518] **The development of technology for the underground coal gasification in a laboratory conditions** / M. Kostúr, M. Laciak - 2008.In: Metalurgija. Vol. 47, no. 3 (2008), p. 263-263. - ISSN 0543-5846
[KOSTÚR, Karol - LACIAK, Marek]

AFH - Abstrakty príspevkov z domácich konferencií(1)

AFH001 [156888] **Porovnanie prístupov pre tvorbu modelov nepriameho merania povrchových teplôt v procese žihania oceliarenských zvitkov** / Andrea Mojžišová, Marek Laciak - 2014. In: Moderné metódy v modelovaní a riadení procesov : odborný workshop : Košice, 17. december 2014. - Košice : TU, 2014 S. 8-8. - ISBN 978-80-553-1933-9
[MOJŽIŠOVÁ, Andrea - LACIAK, Marek]

AGI - Správy o vyriešených vedeckovýskumných úlohách(5)

AGI001 [69122] **Research report of simul steel project, proposal No 2004-TGS9-138** project No RFSR - ST -2005 - 00046 simulsteel system analysis for simulation model creation/ Dušan Malindžák ... [et al.] - Košice : TU - 2008. - 122 s.
[MALINDŽÁK, Dušan - SPIŠÁK, Ján - STRAKA, Martin - ORAVEC, Dušan - TRÉFA, Gabriel - KOŠTIAL, Imrich - ROSOVÁ, Andrea - KOSTÚR, Karol - LACIAK, Marek - ŠINDLER, Vratislav]

AGI002 [108888] **Podzemné splyňovanie uhlia termickým rozkladom č. APVV-0582-06 za roky 2009 - 2010** výskumná správa projektu/ Karol Kostúr (zodpovedný riešiteľ) - Košice : TU - 2010. - 370 s..
[KOSTÚR, Karol - SASVÁRI, Tibor - DURDÁN, Milan - KAČUR, Ján - KOŠTIAL, Imrich - KUFFA, Stanislav - LACIAK, Marek - MIKULA, Ján - BLIŠŤANOVÁ, Monika - ĎUROVE, Juraj - KADLEC, Peter - VAVREK, Pavol - VIZI, Ladislav - BRAŽINA, Miroslav - BELÁČEK, Jaroslav - BEŇO, Ivan - FAZEKAŠ, Jozef - HRABOVSKÝ, Ján - VERBICH, František]

AGI003 [109876] **Tvorba a využívanie objektov virtuálnej reality v oblasti získavania a spracovania surovín** záverečná správa : č. projektu 1036508/ Ján Terpák ... [et al.] - Košice : TU Košice - 2010. - 29 s..
[TERPÁK, Ján - PODLUBNÝ, Igor - DORČÁK, Ľubomír - HOROVČÁK, Pavel - PETRÁŠ, Ivo - LEŠŠO, Igor - KOŠTIAL, Imrich - DURDÁN, Milan - FLEGNER, Patrik - KAČUR, Ján - LACIAK, Marek - ŽELEZNÍK, Ondrej - MIKULA, Ján - LIŠUCH, Július - ŠINDLER, Vratislav - KUKURUGYA, Ján - MOJŽIŠOVÁ, Andrea - PAVLÍČKOVÁ, Marcela - BRAŠKOVÁ, Miriam - POLČOVÁ, Katarína]

AGI004 [108889] **Underground Coal Gasification Turkey Book** research report/ Karol Kostúr ... [et al.] - Košice : TU - 2011. - 152 s..
[KOSTÚR, Karol - KOŠTIAL, Imrich - ĎUROVE, Juraj - LACIAK, Marek - VAVREK, Pavol - KAČUR, Ján - MIKULA, Ján - DURDÁN, Milan - KADLEC, Peter]

AGI005 [109889] **Výskum a vývoj metód, algoritmov a prostriedkov pre modelovanie, analýzu, návrh a projektovanie efektívnych technológií a radiacích systémov technologických objektov a procesov** záverečná správa za celú dobu riešenia projektu č. 1040408/ Ľubomír Dorčák ... [et al.] - Košice : TU - 2011. - 14 s..
[DORČÁK, Ľubomír - PETRÁŠ, Ivo - PODLUBNÝ, Igor - TERPÁK, Ján - LAVRIN, Anton - LEŠŠO, Igor - PIVKA, Ladislav - LACIAK, Marek - MOJŽIŠOVÁ, Andrea - ŽELEZNÍK, Ondrej - DURDÁN, Milan - KAČUR, Ján - FLEGNER, Patrik - PAPAJOVÁ, Marcela - ŠKOVÁRNEK, Tomáš - PAVLÍČKOVÁ, Marcela]

BCI - Skriptá a učebné texty(2)

BCI001 [219481] **Optimalizácia procesov s využitím modelov** učebné texty k predmetu Technologický manažment/ Marek Laciak - 1. vyd. - Košice : Technická univerzita v Košiciach - 2013. - 60 s. [online]. - ISBN 978-80-553-3584-1.
[LACIAK, Marek]

BCI002 [219910] **Optimálne riadenie** návody na cvičenia/ Marek Laciak - 1. vyd. - Košice : Technická univerzita v Košiciach - 2020. - 59 s. [3AH] [online]. - ISBN 978-80-553-3593-3. Spôsob prístupu:
http://omega.tuke.sk/marek.laciak/vyuka/Optimalne%20riadenie/OR_navody%20na%20cvicenia.pdf.
[LACIAK, Marek]

BED - Odborné práce v domácich recenzovaných zborníkoch (konferenčných aj nekonferenčných)(2)

BED001 [61309] **The system of indirect temperatures measurement for an aneling** / Karol Kostúr, Milan Durdán, Marek Laciak - 2007.In: ICCC'2007. - Košice : TU, FBERG, 2007 S. 328-333. - ISBN 9788080738051

[KOSTÚR, Karol - DURDÁN, Milan - LACIAK, Marek]

BED002 [61312] **The models for indirect measurement of the surface temperatures in the indirect measurement system of massive charge** / Marek Laciak, Martin Truchlý, Karol Kostúr - 2007.In: ICCC'2007. - Košice : TU, 2007 S. 397-400. - ISBN 9788080738051

[LACIAK, Marek - TRUCHLÝ, Martin - KOSTÚR, Karol]

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných)(1)

BEF001 [152759] **Projekt podzemného splyňovania uhlia (Project of UCG)** / Juraj B. Ďurove ... [et al.] - 2014.In: Nová surovínová politika - Progresívne technológie v baníctve, geológii a životnom prostredí : Zborník prednášok z medzinárodnej konferencie : Demänovská dolina, Slovak Republic, 13. - 14. november 2014. - [Banská Bystrica] : Slovenská banícka spoločnosť, 2014 S. 61-66. - ISBN 978-80-970521-4-0

[ĎUROVE, Juraj - KOSTÚR, Karol - VAVREK, Pavol - LACIAK, Marek - KAČUR, Ján - DURDÁN, Milan]

FAI - Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...) (1)

FAI001 [113334] **Fractional Calculus and its Applications** 2011 International Workshop : Book of Abstracts : Kosice and Velka Trna, Slovak Republic, May 16, 2011/ Marek Laciak, Patrik Flegner - Kosice : TU - 2011. - 12 s.. - ISBN 978-80-553-0744-2.

[LACIAK, Marek - FLEGNER, Patrik]

GAI - Výskumné štúdie a priebežné správy(7)

GAI001 [0012043] **Matematické modelovanie procesov prebiehajúcich v LD konvertore** / Karol Kostúr (zodpovedný riešiteľ) - Košice : TU-FBERG - 2000. - 93 s..

[KOSTÚR, Karol - BUBELÍNÝ, Peter - LACIAK, Marek - TRÉFA, Gabriel - FLEGNER, Patrik - PALO, Róbert - FEČO, Marek - LEŠŠO, Igor]

GAI002 [0012044] **Matematické modelovanie procesov prebiehajúcich v LD konvertore** / Karol Kostúr (zodpovedný riešiteľ) - Košice : TU-FBERG - 2000. - 70 s.

[KOSTÚR, Karol - BUBELÍNÝ, Peter - LACIAK, Marek - FLEGNER, Patrik - PALO, Róbert - FEČO, Marek - LEŠŠO, Igor]

GAI003 [0012045] **Matematické modelovanie procesov prebiehajúcich v LD konvertore** úvodná štúdia pre realizáciu spolupráce s odborom Prvovýroby VaSÚ VSŽ Oceľ spol. s.r.o. Košice/ Karol Kostúr (zodpovedný riešiteľ) - Košice : TU-FBERG - 2000. - 27 s..

[KOSTÚR, Karol - BUBELÍNÝ, Peter - LACIAK, Marek - TRÉFA, Gabriel - FLEGNER, Patrik - ŠTOFÍKOVÁ, Gabriela - TANČÍNOVÁ, Ivana]

GAI004 [0016264] **Systém nepriameho merania teplôt taveniny v konvertore** / Zodpovedný riešiteľ: Karol Kostúr - Košice : TU-FBERG - 2002. - 128 s..

[KOSTÚR, Karol - LACIAK, Marek - ŠEVEC, Sergej - TRÉFA, Gabriel - FLEGNER, Patrik - PALO, Róbert - ČESÁNEK, Andrej - FURJEŠ, Ľudovít - TRUCHLÝ, Martin - MARCINČÁK, Marek]

GAI005 [44559] **Ročná správa o riešení projektu** / Karol Kostúr (zodpovedný riešiteľ) ... [et al.] - Košice : ÚRVP - 2005. - 16 s.

[KOSTÚR, Karol - PETRÁŠ, Ivo - LACIAK, Marek - FUTÓ, Jozef - DURDÁN, Milan - KAČUR, Ján - STEHLÍKOVÁ, Beáta - PÁSTOR, Marcel - TRUČHLÝ, Martin - JACO, Martin - MOJŽIŠOVÁ, Andrea - FLEGNER, Patrik - KOŠTIAL, Imrich]

GAI006 [44560] **Priebežná správa o riešení projektu** / Karol Kostúr (zodpovedný riešiteľ) ... [et al.] - Košice : ÚRVP, - 2005. - 134 s.

[KOSTÚR, Karol - PETRÁŠ, Ivo - LACIAK, Marek - FUTÓ, Jozef - DURDÁN, Milan - KAČUR, Ján - STEHLÍKOVÁ, Beáta - PÁSTOR, Marcel - TRUČHLÝ, Martin - JACO, Martin - MOJŽIŠOVÁ, Andrea - FLEGNER, Patrik - KOŠTIAL, Imrich]

GAI007 [56901] **Inteligentný systém nepriameho merania** / Karol Kostúr - Košice : TU, - 2006. - 102 s.
[KOSTÚR, Karol - LACIAK, Marek]

GII - Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií(2)

GII001 [121734] **Základy Microsoft Excel 2007** / Marek Laciak - 2012. - 20 s..In: POMIPO – Podnikateľské minimum pre poľnohospodára : Informačné technológie. - Košice : TU, 2012 20 s.. - ISBN 978-80-553-0933-0
[LACIAK, Marek]

GII002 [169311] **Problémy zavádzania procesného riadenia v praxi** odborný seminár : Košice, 17. december 2015/ Ondrej Železník, Marek Laciak - 1. vyd. - Košice : TU - 2015. - 14 s.. - ISBN 978-80-553-2504-0.
[ŽELEZNÍK, Ondrej - LACIAK, Marek]

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Record 1

Durdán, M., Kačur, J., Flegner, P., Laciak, M., Bogdanovská, G.

Modelling of the massive batch heating process

(2018) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18 (2.1), pp. 583-590.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058889839&doi=10.5593%2fsgem2018%2f2.1%2fS07.074&partnerID=40&md5=ea53d5e7ab64110d49fc0680090683ae)

[85058889839&doi=10.5593%2fsgem2018%2f2.1%2fS07.074&partnerID=40&md5=ea53d5e7ab64110d49fc0680090683ae](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058889839&doi=10.5593%2fsgem2018%2f2.1%2fS07.074&partnerID=40&md5=ea53d5e7ab64110d49fc0680090683ae)

DOI: 10.5593/sgem2018/2.1/S07.074

PUBLISHER: International Multidisciplinary Scientific Geoconference

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 2

Flegner, P., Kačur, J., Laciak, M., Durdán, M., Bogdanovská, G.

Intelligent method of system state recognition in technical diagnostic

(2018) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18 (2.1), pp. 507-514.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058887553&doi=10.5593%2fsgem2018%2f2.1%2fS07.064&partnerID=40&md5=19c66411fa8e85c09932302e3b19d5e3)

[85058887553&doi=10.5593%2fsgem2018%2f2.1%2fS07.064&partnerID=40&md5=19c66411fa8e85c09932302e3b19d5e3](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058887553&doi=10.5593%2fsgem2018%2f2.1%2fS07.064&partnerID=40&md5=19c66411fa8e85c09932302e3b19d5e3)

DOI: 10.5593/sgem2018/2.1/S07.064

PUBLISHER: International Multidisciplinary Scientific Geoconference

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 3

Kačur, J., Durdán, M., Flegner, P., Laciak, M., Bogdanovská, G.

Pulse-width modulation control of experimental bell furnace

(2018) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18 (2.1), pp. 649-656.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058875861&doi=10.5593%2fsgem2018%2f2.1%2fS07.083&partnerID=40&md5=074dad183d42150a254f00c616a99be3)

[85058875861&doi=10.5593%2fsgem2018%2f2.1%2fS07.083&partnerID=40&md5=074dad183d42150a254f00c616a99be3](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058875861&doi=10.5593%2fsgem2018%2f2.1%2fS07.083&partnerID=40&md5=074dad183d42150a254f00c616a99be3)

DOI: 10.5593/sgem2018/2.1/S07.083

PUBLISHER: International Multidisciplinary Scientific Geoconference

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 4

Flegner, P., Kačur, J., Durdán, M., Laciak, M.

Shewhart control charts as a tool for analyzing the revolutions of drilling equipment

(2017) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 17 (21), pp. 549-556. Cited 1 time.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032512146&doi=10.5593%2fsgem2017%2f21%2fS07.070&partnerID=40&md5=bd36863c47768e764eb3d6b469b9b465>

DOI: 10.5593/sgem2017/21/S07.070

PUBLISHER: International Multidisciplinary Scientific Geoconference

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 5

Durdán, M., Kačur, J., Flegner, P., Laciak, M.

UCG process visualization

(2017) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 17 (21), pp. 727-734. Cited 1 time.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032510936&doi=10.5593%2fsgem2017%2f21%2fS07.093&partnerID=40&md5=6a0abe4067caafb7ac2c25f86b8b45f0>

DOI: 10.5593/sgem2017/21/S07.093

PUBLISHER: International Multidisciplinary Scientific Geoconference

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 6

Kačur, J., Durdán, M., Flegner, P., Laciak, M.

Application of adaptive control methods in coal processing industry

(2017) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 17 (21), pp. 103-110. Cited 1 time.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032505941&doi=10.5593%2fsgem2017%2f21%2fS07.014&partnerID=40&md5=62e5a07acce7c9bcf04c537cd848b436>

DOI: 10.5593/sgem2017/21/S07.014

PUBLISHER: International Multidisciplinary Scientific Geoconference

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 7

Mudarri, T., Laciak, M., Kačur, J., Flegner, P., Durdán, M.

The verification of models for indirect measurement melt temperature in steelmaking process

(2017) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 17 (21), pp. 711-717. Cited 1 time.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032482912&doi=10.5593%2fsgem2017%2f21%2fS07.091&partnerID=40&md5=9deab97bcdf07920322333fbc58e>

DOI: 10.5593/sgem2017/21/S07.091
PUBLISHER: International Multidisciplinary Scientific Geoconference
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Record

Laciak, M., Šofranko, M.

Optimization of device selection in design of technological lines for the aggregates production

(2014) Applied Mechanics and Materials, 611, pp. 387-394. Cited 5 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84906262708&doi=10.4028%2fwww.scientific.net%2fAMM.611.387&partnerID=40&md5=5275763b8f0f24dda2e81119041fda87>

DOI: 10.4028/www.scientific.net/AMM.611.387

PUBLISHER: Trans Tech Publications Ltd

DOCUMENT TYPE: Article

SOURCE: Scopus

Record 9

Laciak, M., Kačur, J., Durdán, M.

Verification of the system for indirect temperatures measurement in the massive batch

(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICC

2012, art. no. 6228678, pp. 413-417. Cited 3 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84864255690&doi=10.1109%2fCarpathianCC.2012.6228678&partnerID=40&md5=e87b88a529fa5791f69288ab32d2d561>

DOI: 10.1109/CarpathianCC.2012.6228678

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 10

Durdán, M., Kačur, J., Laciak, M.

Discreet control of annealing process with utilization of indirect measurement

(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICC

2012, art. no. 6228631, pp. 141-146. Cited 1 time.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84864243648&doi=10.1109%2fCarpathianCC.2012.6228631&partnerID=40&md5=a81574b1857734092335fe2f333868de>

DOI: 10.1109/CarpathianCC.2012.6228631

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 11

Kačur, J., Durdán, M., Laciak, M.

System for indirect measurement of the heat flows in the annealing process

(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICC

2012, art. no. 6228650, pp. 259-263. Cited 4 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84864231357&doi=10.1109%2fCarpathianCC.2012.6228650&partnerID=40&md5=8ac258dd6f6ba161c7cdd57dee0b34df>

DOI: 10.1109/CarpathianCC.2012.6228650

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 12

Kačur, J., Laciak, M., Durdán, M.

Remote monitoring of the temperatures for indirect measurement system

(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICC

2012, art. no. 6228651, pp. 264-268. Cited 3 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84864264355&doi=10.1109%2fCarpathianCC.2012.6228651&partnerID=40&md5=2c474718442c4df4b6407618c8bd7f9b>

DOI: 10.1109/CarpathianCC.2012.6228651

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 13

Laciak, M., Durdán, M., Kačur, J.

Utilization of indirect measurement in the annealing process of the steel coils

(2012) Acta Metallurgica Slovaca, 18 (1), pp. 40-49. Cited 13 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84861979925&partnerID=40&md5=eef218d36a5965161292a57cdf0bbd1f>

DOCUMENT TYPE: Article

SOURCE: Scopus

Record 14

Laciak, M., Kačur, J., Durdán, M.

Material and energy balance of the UCG process in the laboratory conditions

(2011) 11th International Multidisciplinary Scientific Geoconference and EXPO - Modern Management of Mine Producing, Geology and Environmental Protection, SGEM 2011, 3, pp. 69-76. Cited 2 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84864244908&partnerID=40&md5=705e0a721b86e5296be9f648d25308a1>

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 15

Laciak, M., Kačur, J., Durdán, M., Škvareková, E., Wittenberger, G.

Underground coal gasification in laboratory conditions

(2011) 11th International Multidisciplinary Scientific Geoconference and EXPO - Modern Management of Mine Producing, Geology and Environmental Protection, SGEM 2011, 3, pp. 123-130. Cited 1 time.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84890663932&partnerID=40&md5=83610cc98878a32b7ee674f69044c09b>

DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Record 16

Laciak, M., Fazekáš, P., Kačur, J.

Monitoring and control of temperatures in electric furnace in PROMOTIC system

(2011) Proceedings of the 2011 12th International Carpathian Control Conference, ICC'2011, art. no. 5945855, pp. 239-242. Cited 7 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-79961182535&doi=10.1109%2fCarpathianCC.2011.5945855&partnerID=40&md5=cf22dfea77f696cd3e91238f97803276>

DOI: 10.1109/CarpathianCC.2011.5945855

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 17

Durdán, M., Kačur, J., Laciak, M.

Corrective feed-back control of the annealing process with utilization of the indirect measurement

(2011) Proceedings of the 2011 12th International Carpathian Control Conference, ICC'2011, art. no. 5945823, pp. 94-97. Cited 7 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-79961185144&doi=10.1109%2fCarpathianCC.2011.5945823&partnerID=40&md5=85d323631dcd084f3a3c178aba9ae88e>

DOI: 10.1109/CarpathianCC.2011.5945823

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 18

Kačur, J., Laciak, M., Durdán, M.

Remote monitoring and control of the UCG process

(2011) Proceedings of the 2011 12th International Carpathian Control Conference, ICC'2011, art. no. 5945842, pp. 176-180. Cited 17 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-79961174655&doi=10.1109%2fCarpathianCC.2011.5945842&partnerID=40&md5=5105c1ca50e333140c5118da6882bf01>

DOI: 10.1109/CarpathianCC.2011.5945842

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Record 19

Leššo, I., Flegner, P., Laciak, M., Feriančíková, K.

**Hilbert spaces as an efficient instrument for signal processing in geotechnics:
Application of vector quantisation method in Hilbert space for effective and quality
process control of rock disintegration by rotary drilling**

(2011) Proceedings of the 2011 12th International Carpathian Control Conference,
ICCC'2011, art. no. 5945857, pp. 249-252. Cited 9 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-79961175486&doi=10.1109%2fCarpathianCC.2011.5945857&partnerID=40&md5=0206e99e9711ac9bab5ebad83ea01fe2)

[79961175486&doi=10.1109%2fCarpathianCC.2011.5945857&partnerID=40&md5=0206e99e9711ac9bab5ebad83ea01fe2](https://www.scopus.com/inward/record.uri?eid=2-s2.0-79961175486&doi=10.1109%2fCarpathianCC.2011.5945857&partnerID=40&md5=0206e99e9711ac9bab5ebad83ea01fe2)

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doc. Ing. Marek Laciak, PhD.
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FBERG, TUKE

Technická univerzita v Košiciach
Fakulta baníctva, ekológie, riadenia a geotechnológií

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Košice, september 2020

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(Records 1 -- 41)

Record 1 of 41

Title: Soft-Sensing in Batch Annealing Based on Finite Differential Method and Support Vector Regression

Author(s): Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek); Flegner, P (Flegner, Patrik)

Source: ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH

JOURNAL **Volume:** 13 **Issue:** 4 **Pages:** 70-

86 **DOI:** 10.12913/22998624/112542 **Published:** DEC 2019

Accession Number: WOS:000506179900010

ISSN: 2080-4075

eISSN: 2299-8624

Record 2 of 41

Title: Evaluation of synthetic gas harmful effects created at the underground coal gasification process realized in laboratory conditions

Author(s): Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek); Kacur, J (Kacur, Jan); Flegner, P (Flegner, Patrik); Kostur, K (Kostur, Karol)

Source: MEASUREMENT **Volume:** 147 **Article Number:** UNSP

106866 **DOI:** 10.1016/j.measurement.2019.106866 **Published:** DEC 2019

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Record 3 of 41

Title: Thermophysical Properties Estimation in Annealing Process Using the Iterative Dynamic Programming Method and Gradient Method

Author(s): Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek); Flegner, P (Flegner, Patrik)

Source: ENERGIES **Volume:** 12 **Issue:** 17 **DOI:** 10.3390/en12173267 **Published:** SEP 1 2019

Accession Number: WOS:000486860500064

eISSN: 1996-1073

Record 4 of 41

Title: Processing a measured vibroacoustic signal for rock type recognition in rotary drilling technology

Author(s): Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek)

Source: MEASUREMENT **Volume:** 134 **Pages:** 451-

467 **DOI:** 10.1016/j.measurement.2018.10.090 **Published:** FEB 2019

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Record 5 of 41

Title: Application of multivariate adaptive regression in soft-sensing and control of UCG
Author(s): Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek); Durdan, M (Durdan, Milan); Flegner, P (Flegner, Patrik)
Source: INTERNATIONAL JOURNAL OF MODELLING IDENTIFICATION AND CONTROL **Volume:** 33 **Issue:** 3 **Pages:** 246-260 **DOI:** 10.1504/IJMIC.2019.105971 **Published:** 2019
Accession Number: WOS:000521960900007
ISSN: 1746-6172
eISSN: 1746-6180

Record 6 of 41

Title: Model Predictive Control of UCG: An Experiment and Simulation Study
Author(s): Kacur, J (Kacur, Jan); Flegner, P (Flegner, Patrik); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek)
Source: INFORMATION TECHNOLOGY AND CONTROL **Volume:** 48 **Issue:** 4 **Pages:** 557-578 **DOI:** 10.5755/j01.itc.48.4.23303 **Published:** 2019
Accession Number: WOS:000510403000005
ISSN: 1392-124X

Record 7 of 41

Title: An Advanced Method of Recognizing the State of the Technological Process in Technical Diagnostics
Author(s): Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Terpak, J (Terpak, Jan); Laciak, M (Laciak, Marek); Durdan, M (Durdan, Milan)
Edited by: Kot A; Nawrocka A
Source: 2019 20TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 74-78 **Published:** 2019
Accession Number: WOS:000490570500019
Conference Title: 20th International Carpathian Control Conference (ICCC)
Conference Date: MAY 26-29, 2019
Conference Location: POLAND
Conference Sponsors: IEEE, IEEE Ind Applicat Soc, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, Tech Univ Kosice, Fac Mining Ecol Proc Control & Geotechnol, Inst Control Informatizat Prod Proc, VSB Tech Univ Ostrava, Fac Mech Engn, Dept Control Syst & Instrumentat, VSB Tech Univ Ostrava, Fac Mining & Geotechnol, Inst Econ & Control Syst, Univ Miskolc, Dept Automat & Commun Technol, Univ Craiova, Fac Automat Comp & Elect, Fdn Mech Engn & Robot Fac
ISBN: 978-1-7281-0701-1

Record 8 of 41

Title: Utilization of the Mathematical Model of the Converter Process for the Sensitivity Analysis
Author(s): Terpak, J (Terpak, Jan); Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek); Durdan, M (Durdan, Milan); Trefa, G (Trefa, Gabriel)
Edited by: Kot A; Nawrocka A
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ISBN: 978-1-7281-0701-1

Record 9 of 41

Title: Automated system for optimizing input parameters of the UCG process

Author(s): Laciak, M (Laciak, Marek); Raskayova, D (Raskayova, Diana); Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan)

Edited by: Kot A; Nawrocka A

Source: 2019 20TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 311-315 **Published:** 2019

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ISBN: 978-1-7281-0701-1

Record 10 of 41

Title: Application of Support Vector Regression for Data-Driven Modeling of Melt Temperature and Carbon Content in LD Converter

Author(s): Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek); Flegner, P (Flegner, Patrik); Terpak, J (Terpak, Jan); Durdan, M (Durdan, Milan); Trefa, G (Trefa, Gabriel)

Edited by: Kot A; Nawrocka A

Source: 2019 20TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 487-492 **Published:** 2019

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ISBN: 978-1-7281-0701-1

Record 11 of 41

Title: A COMPARATIVE STUDY OF DATA-DRIVEN MODELING METHODS FOR SOFT-SENSING IN UNDERGROUND COAL GASIFICATION

Author(s): Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek); Flegner, P (Flegner, Patrik)

Source: ACTA POLYTECHNICA **Volume:** 59 **Issue:** 4 **Pages:** 322-351 **DOI:** 10.14311/AP.2019.59.0322 **Published:** 2019

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ISSN: 1210-2709

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Record 12 of 41

Title: Evaluating Noise Sources in a Working Environment when Disintegrating Rocks by Rotary Drilling

Author(s): Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek)

Source: POLISH JOURNAL OF ENVIRONMENTAL STUDIES **Volume:** 28 **Issue:** 5 **Pages:** 3711-3720 **DOI:** 10.15244/pjoes/94848 **Published:** 2019

Accession Number: WOS:000476941500014

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Record 13 of 41

Title: Some Influences of Underground Coal Gasification on the Environment

Author(s): Kostur, K (Kostur, Karol); Laciak, M (Laciak, Marek); Durdan, M (Durdan, Milan)

Source: SUSTAINABILITY **Volume:** 10 **Issue:** 5 **Article Number:** 1512 **DOI:** 10.3390/su10051512 **Published:** MAY 2018

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Record 14 of 41

Title: Optimization of control parameters of production refractory materials in tunnel furnace

Author(s): Raskayova, D (Raskayova, Diana); Laciak, M (Laciak, Marek); Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan)

Edited by: Drotos D; Vasarhelyi J; Czap L; Petras I

Source: 2018 19TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 104-107 **Published:** 2018

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Record 15 of 41

Title: The System of Optimization Quantity of Oxidizers in UCG Process with Thermodynamic Model

Author(s): Raskayova, D (Raskayova, Diana); Laciak, M (Laciak, Marek); Mudarri, T (Mudarri, Tawfik)

Edited by: Popescu D; Sendrescu D; Roman M; Popescu E; Barbulescu L

Source: 2017 18TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 76-80 **Published:** 2017

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Conference Title: 18th International Carpathian Control Conference (ICCC)

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Record 16 of 41

Title: Utilization of Machine Learning Method in Prediction of UCG Data

Author(s): Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek); Durdan, M (Durdan, Milan); Flegner, P (Flegner, Patrik)

Edited by: Popescu D; Sendrescu D; Roman M; Popescu E; Barbulescu L

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Conference Location: Sinaia, ROMANIA

Conference Sponsors: IEEE

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Record 17 of 41

Title: The analysis of the underground coal gasification in experimental equipment

Author(s): Laciak, M (Laciak, Marek); Kostur, K (Kostur, Karol); Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan); Flegner, P (Flegner, Patrik)

Source: ENERGY **Volume:** 114 **Pages:** 332-343 **DOI:** 10.1016/j.energy.2016.08.004 **Published:** NOV 1 2016

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Record 18 of 41

Title: The using of thermodynamic model for the optimal setting of input parameters in the UCG process

Author(s): Laciak, M (Laciak, Marek); Raskayova, D (Raskayova, Diana)

Edited by: Petras I; Podlubny I; Kacur J

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Conference Sponsors: IEEE, IEEE Czechoslovakia Sect, Slovak Soc Appl Cybernet & Informat, Tech Univ Kosice, Fac Mining Ecol Proc Control & Geotechnol, Inst Control & Informatizat Prod Proc, Tech Univ Ostrava, Fac Mech Engn, Dept Control Syst & Instrumentat, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, Univ Miskolc, Dept Automat & Infocommunicat, Univ Craiova, Fac Automat Comp & Elect, Dept Automat Control

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Record 19 of 41

Title: Significant damages of core diamond bits in the process of rocks drilling

Author(s): Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek); Stehlikova, B (Stehlikova, Beata); Pastor, M (Pastor, Marcel)

Source: ENGINEERING FAILURE ANALYSIS **Volume:** 59 **Pages:** 354-365 **DOI:** 10.1016/j.engfailanal.2015.10.016 **Published:** JAN 2016

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Record 20 of 41

Title: The verification of thermodynamic model for UCG process

Author(s): Laciak, M (Laciak, Marek); Kacur, J (Kacur, Jan); Kostur, K (Kostur, Karol)

Edited by: Petras I; Podlubny I; Kacur J

Source: PROCEEDINGS OF THE 2016 17TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 424-428 **Published:** 2016

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Record 21 of 41

Title: Research of annealing process in laboratory conditions

Author(s): Durdan, M (Durdan, Milan); Stehlikova, B (Stehlikova, Beata); Pastor, M (Pastor, Marcel); Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek); Flegner, P (Flegner, Patrik)

Source: MEASUREMENT **Volume:** 73 **Pages:** 607-618 **DOI:** 10.1016/j.measurement.2015.06.008 **Published:** SEP 2015

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Record 22 of 41

Title: Low-calorific gasification of underground coal with a higher humidity

Author(s): Kostur, K (Kostur, Karol); Laciak, M (Laciak, Marek); Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan); Flegner, P (Flegner, Patrik)

Source: MEASUREMENT **Volume:** 63 **Pages:** 69-

80 **DOI:** 10.1016/j.measurement.2014.12.016 **Published:** MAR 2015

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Record 23 of 41

Title: System of indirect measurement temperature of melt with adaptation module

Author(s): Laciak, M (Laciak, Marek); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Flegner, P (Flegner, Patrik)

Edited by: Petras I; Podlubny I; Kacur J; Vasarhelyi J

Source: 2015 16TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 277-281 **Published:** 2015

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Conference Title: 16th International Carpathian Control Conference (ICCC)

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Record 24 of 41

Title: MONITORING SYSTEM OF THE ANNEALING PROCESS WITH USING POWER PANEL PP65

Author(s): Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek)

Book Group Author(s): SGEM

Source: INFORMATICS, GEOINFORMATICS AND REMOTE SENSING, VOL I (SGEM 2015) **Book Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 207-214 **Published:** 2015

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Conference Title: 15th International Multidisciplinary Scientific Geoconference (SGEM)

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Record 25 of 41

Title: Application of adaptive filters in rock separation by rotary drilling process identification
Author(s): Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek)
Source: ACTA MONTANISTICA SLOVACA **Volume:** 20 **Issue:** 1 **Pages:** 38-48 **Published:** 2015
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Record 26 of 41

Title: Measurement and processing of vibro-acoustic signal from the process of rock disintegration by rotary drilling
Author(s): Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Lesso, I (Lesso, Igor); Laciak, M (Laciak, Marek)
Source: MEASUREMENT **Volume:** 56 **Pages:** 178-193 **DOI:** 10.1016/j.measurement.2014.06.025 **Published:** OCT 2014
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Record 27 of 41

Title: Impact analysis of the oxidant in the process of underground coal gasification
Author(s): Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek); Flegner, P (Flegner, Patrik)
Source: MEASUREMENT **Volume:** 51 **Pages:** 147-155 **DOI:** 10.1016/j.measurement.2014.01.036 **Published:** MAY 2014
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Record 28 of 41

Title: Application of optimization method for optimal control of the steelmaking process
Author(s): Laciak, M (Laciak, Marek); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Flegner, P (Flegner, Patrik)
Edited by: Petras I; Podlubny I; Kacur J; Farana R
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Conference Date: MAY 28-30, 2014
Conference Location: Velke Karlovice, CZECH REPUBLIC
Conference Sponsors: IEEE, IEEE Czechoslovakia Sect, VSB Tech Univ Ostrava, VSB Tech Univ Ostrava, Fac Mech Engn, Dept Control Syst & Instrumentat, Univ Ostrava, Inst Res & Applicat Fuzzy Modeling, VSB Tech Univ Ostrava, Fac Mining & Geotechnol, Inst Econ & Control Syst, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Tech Univ Kosice, Fac Mining Ecol Proc Control & Geotechnol, Univ Miskolc, Dept Automat & Communicat Technol, Univ Craiova, Fac Automat Comp & Elect
ISBN: 978-1-4799-3528-4

Record 29 of 41

Title: System for indirect temperature measurement in annealing process

Author(s): Durdan, M (Durdan, Milan); Mojzisova, A (Mojzisova, Andrea); Laciak, M (Laciak, Marek); Kacur, J (Kacur, Jan)

Source: MEASUREMENT **Volume:** 47 **Pages:** 911-

918 **DOI:** 10.1016/j.measurement.2013.10.013 **Published:** JAN 2014

Accession Number: WOS:000328196600104

ISSN: 0263-2241

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Record 30 of 41

Title: Program Control of the Annealing Process with Utilization of the Indirect Measurement

Author(s): Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek)

Edited by: Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

Source: PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 57-61 **Published:** 2013

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Conference Title: 14th International Carpathian Control Conference (ICCC)

Conference Date: MAY 26-29, 2013

Conference Location: Ryto, POLAND

Conference Sponsors: IEEE, IEEE Czechoslovakia Sect, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, Tech Univ Kosice, Fac Min, Ecol, Proc Control & Geotechnol, Inst Control & Informatizat Prod Proc, Tech Univ Ostrava (VSB), Fac Mech Engn, Dept Control Syst & Instrumentat, Tech Univ Ostrava (VSB), Fac Min & Geotechnol, Inst Econ & Control Syst, Univ Miskolc, Dept Automat & Commun Technol, Univ Craiova, Fac Automat, Comp & Elect, Dept Automat Control

ISBN: 978-1-4673-4490-6; 978-1-4673-4488-3

Record 31 of 41

Title: The Proposal of the Monitoring System of the Annealing Process in the SCADA system Promotic

Author(s): Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek)

Edited by: Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

Source: PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 68-72 **Published:** 2013

Accession Number: WOS:000324243800014

Conference Title: 14th International Carpathian Control Conference (ICCC)

Conference Date: MAY 26-29, 2013

Conference Location: Ryto, POLAND

Conference Sponsors: IEEE, IEEE Czechoslovakia Sect, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, Tech Univ Kosice, Fac Min, Ecol, Proc Control & Geotechnol, Inst Control & Informatizat Prod Proc, Tech Univ Ostrava (VSB), Fac Mech Engn, Dept Control Syst & Instrumentat, Tech Univ Ostrava (VSB), Fac Min & Geotechnol, Inst Econ & Control Syst, Univ Miskolc, Dept Automat & Commun Technol, Univ Craiova, Fac Automat, Comp & Elect, Dept Automat Control

ISBN: 978-1-4673-4490-6; 978-1-4673-4488-3

Record 32 of 41

Title: Utilization of the PLC as a Web Server for Remote Monitoring of the Technological

Process

Author(s): Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek)

Edited by: Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

Source: PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 144-149 **Published:** 2013

Accession Number: WOS:000324243800028

Conference Title: 14th International Carpathian Control Conference (ICCC)

Conference Date: MAY 26-29, 2013

Conference Location: Rytro, POLAND

Conference Sponsors: IEEE, IEEE Czechoslovakia Sect, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, Tech Univ Kosice, Fac Min, Ecol, Proc Control & Geotechnol, Inst Control & Informatizat Prod Proc, Tech Univ Ostrava (VSB), Fac Mech Engn, Dept Control Syst & Instrumentat, Tech Univ Ostrava (VSB), Fac Min & Geotechnol, Inst Econ & Control Syst, Univ Miskolc, Dept Automat & Commun Technol, Univ Craiova, Fac Automat, Comp & Elect, Dept Automat Control

ISBN: 978-1-4673-4490-6; 978-1-4673-4488-3

Record 33 of 41

Title: Designing of the technological line in the SCADA system PROMOTIC

Author(s): Laciak, M (Laciak, Marek); Sofranko, M (Sofranko, Marian)

Edited by: Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

Source: PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 202-206 **Published:** 2013

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ISBN: 978-1-4673-4490-6; 978-1-4673-4488-3

Record 34 of 41

Title: THE DEVELOPMENT OF APPLICATIONS BASED ON GPS FOR THE TECHNOLOGY OF SUNLIGHT BOOSTER

Author(s): Taus, P (Taus, Peter); Laciak, M (Laciak, Marek); Vanek, J (Vanek, Jiri); Kudelas, D (Kudelas, Dusan); Kosco, J (Kosco, Jan)

Book Group Author(s): SGEM

Source: GEOCONFERENCE ON ENERGY AND CLEAN TECHNOLOGIES **Book**

Series: International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 251-258 **Published:** 2013

Accession Number: WOS:000365992100032

Conference Title: 13th International Multidisciplinary Scientific Geoconference, SGEM 2013

Conference Date: JUN 16-22, 2013

Conference Location: Albena, BULGARIA

ISSN: 1314-2704

ISBN: 978-619-7105-03-2

Record 35 of 41

Title: Study of Underground Coal Gasification (UCG) Technology in Laboratory Conditions

Author(s): Laciak, M (Laciak, Marek); Skvarekova, E (Skvarekova, Erika); Durdan, M (Durdan, Milan); Kostur, K (Kostur, Karol); Wittenberger, G (Wittenberger, Gabriel)

Source: CHEMICKE LISTY **Volume:** 106 **Issue:** 5 **Pages:** 384-391 **Published:** 2012

Accession Number: WOS:000304492900007

ISSN: 0009-2770

eISSN: 1213-7103

Record 36 of 41

Title: AUTOMATED SYSTEM FOR UCG OPTIMAL CONTROL

Author(s): Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek); Durdan, M (Durdan, Milan)

Edited by: Varga AK; Vasarhelyi J

Source: PROCEEDINGS OF 11TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE, 2010 **Pages:** 245-248 **Published:** 2010

Accession Number: WOS:000396785800053

Conference Title: 11th International Carpathian Control Conference (ICCC 2010)

Conference Date: MAY 26-28, 2010

Conference Location: Univ Miskolc, Dept automat, Eger, HUNGARY

Conference Sponsors: Univ Miskolc, Fac Mech Engn & Informat, Dept Automat, VSB Tech Univ Ostrava, Fac Mech Engn, Dept Control Syst & Instrumentat, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Process Control, Univ Craiova, Fac automat Comp & Elect, Dept Automat Control, Tech Univ Kosice, Fac Min Ecol Management & Geotechnol, Inst Control & Informatizat Prod Processes

Conference Host: Univ Miskolc, Dept automat

ISBN: 978-963-06-9289-2

Record 37 of 41

Title: INDIRECT MEASUREMENT SYSTEM OF THE INNER TEMPERATURES IN THE STEEL ROLL

Author(s): Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek)

Edited by: Varga AK; Vasarhelyi J

Source: PROCEEDINGS OF 11TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE, 2010 **Pages:** 343-346 **Published:** 2010

Accession Number: WOS:000396785800076

Conference Title: 11th International Carpathian Control Conference (ICCC 2010)

Conference Date: MAY 26-28, 2010

Conference Location: Univ Miskolc, Dept automat, Eger, HUNGARY

Conference Sponsors: Univ Miskolc, Fac Mech Engn & Informat, Dept Automat, VSB Tech Univ Ostrava, Fac Mech Engn, Dept Control Syst & Instrumentat, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Process Control, Univ Craiova, Fac automat Comp & Elect, Dept Automat Control, Tech Univ Kosice, Fac Min Ecol Management & Geotechnol, Inst Control & Informatizat Prod Processes

Conference Host: Univ Miskolc, Dept automat

ISBN: 978-963-06-9289-2

Record 38 of 41

Title: THE EFFECT OF OXIDIZATION AND REDUCTION ZONES ON THE QUALITY OF UCG PROCESS

Author(s): Laciak, M (Laciak, Marek); Kacur, J (Kacur, Jan); Kostur, K (Kostur, Karol)

Edited by: Varga AK; Vasarhelyi J

Source: PROCEEDINGS OF 11TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE, 2010 **Pages:** 383-386 **Published:** 2010

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Conference Title: 11th International Carpathian Control Conference (ICCC 2010)

Conference Date: MAY 26-28, 2010

Conference Location: Univ Miskolc, Dept automat, Eger, HUNGARY

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Conference Host: Univ Miskolc, Dept automat

ISBN: 978-963-06-9289-2

Record 39 of 41

Title: The analysis of models for indirect measurement of surface temperatures in massive charge

Author(s): Laciak, M (Laciak, Marek); Kostur, K (Kostur, Karol); Truchly, M (Truchly, Martin)

Source: ACTA MONTANISTICA SLOVACA **Volume:** 13 **Issue:** 1 **Pages:** 94-99 **Published:** 2008

Accession Number: WOS:000255024300013

ISSN: 1335-1788

Record 40 of 41

Title: Design of solar drying-plant for bulk material drying

Author(s): Horbaj, P (Horbaj, Peter); Taus, P (Taus, Peter); Fiedorova, Z (Fiedorova, Zuzana); Laciak, M (Laciak, Marek)

Source: ACTA MONTANISTICA SLOVACA **Volume:** 13 **Issue:** 3 **Pages:** 368-373 **Published:** 2008

Accession Number: WOS:000261612700013

ISSN: 1335-1788

Record 41 of 41

Title: Model for indirect measurements of LD-steelmaking process

Author(s): Kostur, K (Kostur, K); Laciak, M (Laciak, M)

Source: METALURGIJA **Volume:** 41 **Issue:** 2 **Pages:** 113-116 **Article Number:** UNSP 669.141.245:53.06:519.673=20 **Published:** APR-JUN 2002

Accession Number: WOS:000174450200010

ISSN: 0543-5846

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PREHLAD VÝSTUPOV KATEGÓRIE „A“

doc. Ing. Marek Laciak, PhD.

Košice, september 2020

Odbor habilitačného konania a inauguračného konania: Automatizácia

SKUPINA PRÍSPEVKOV V ČASOPISOCH SPĽŇAJÚCICH KATEGÓRIU „A“:

1)

Názov časopisu: MEASUREMENT
ISSN časopisu: 0263-2241
Nadpis príspevku: Evaluation of synthetic gas harmful effects created at the underground coal gasification process realized in laboratory conditions
Rok uverejnenia príspevku: 2019
Volume: 147
Impakt faktor (IF, WoS) časopisu pre rok uverejnenia príspevku: 3.364

2)

Názov časopisu: MEASUREMENT
ISSN časopisu: 0263-2241
Nadpis príspevku: Processing a measured vibroacoustic signal for rock type recognition in rotary drilling technology
Rok uverejnenia príspevku: 2019
Volume: 134
Impakt faktor (IF, WoS) časopisu pre rok uverejnenia príspevku: 3.364

3)

Názov časopisu: MEASUREMENT
ISSN časopisu: 0263-2241
Nadpis príspevku: Low-calorific gasification of underground coal with a higher humidity
Rok uverejnenia príspevku: 2015
Volume: 63
Impakt faktor (IF, WoS) časopisu pre rok uverejnenia príspevku: 1.742

4)

Názov časopisu: MEASUREMENT
ISSN časopisu: 0263-2241
Nadpis príspevku: Measurement and processing of vibro-acoustic signal from the process of rock disintegration by rotary drilling
Rok uverejnenia príspevku: 2014
Volume: 56
Impakt faktor (IF, WoS) časopisu pre rok uverejnenia príspevku: 1.484

5)

Názov časopisu: MEASUREMENT
ISSN časopisu: 0263-2241
Nadpis príspevku: Impact analysis of the oxidant in the process of underground coal gasification
Rok uverejnenia príspevku: 2014
Volume: 51
Impakt faktor (IF, WoS) časopisu pre rok uverejnenia príspevku: 1.484

6)

Názov časopisu: MEASUREMENT
ISSN časopisu: 0263-2241
Nadpis príspevku: System for indirect temperature measurement in annealing process
Rok uverejnenia príspevku: 2014
Volume: 47
Impakt faktor (IF, WoS) časopisu pre rok uverejnenia príspevku: 1.484

7)

Názov časopisu: ENERGIES
eISSN časopisu: 1996-1073
Nadpis príspevku: Thermophysical Properties Estimation in Annealing Process Using the Iterative Dynamic Programming Method and Gradient Method
Rok uverejnenia príspevku: 2019
Volume: 12
Impakt faktor (IF, WoS) časopisu pre rok uverejnenia príspevku: 2.702

8)

Názov časopisu: INFORMATION TECHNOLOGY AND CONTROL
ISSN časopisu: 1392-124X
Nadpis príspevku: Model Predictive Control of UCG: An Experiment and Simulation Study
Rok uverejnenia príspevku: 2019
Volume: 48
Impakt faktor (IF, WoS) časopisu pre rok uverejnenia príspevku: 0.905

9)

Názov časopisu: POLISH JOURNAL OF ENVIRONMENTAL STUDIES
ISSN časopisu: 1230-1485
Nadpis príspevku: Model Predictive Control of UCG: An Experiment and Simulation Study
Rok uverejnenia príspevku: 2019
Volume: 28
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10)

Názov časopisu: SUSTAINABILITY
eISSN časopisu: 2071-1050
Nadpis príspevku: Some Influences of Underground Coal Gasification on the Environment
Rok uverejnenia príspevku: 2018
Volume: 10
Impakt faktor (IF, WoS) časopisu pre rok uverejnenia príspevku: 2.592

11)

Názov časopisu: ENERGY
ISSN časopisu: 0360-5442
Nadpis príspevku: The analysis of the underground coal gasification in experimental equipment
Rok uverejnenia príspevku: 2016
Volume: 114
Impakt faktor (IF, WoS) časopisu pre rok uverejnenia príspevku: 4.520

12)

Názov časopisu: ENGINEERING FAILURE ANALYSIS

ISSN časopisu: 1350-6307

Nadpis príspevku: Significant damages of core diamond bits in the process of rocks drilling

Rok uverejnenia príspevku: 2016

Volume: 59

Impakt faktor (IF, WoS) časopisu pre rok uverejnenia príspevku: 1.676

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