

LISTĂ DE PUBLICAȚII

Articole științifice publicate in jurnale cu factor de impact, indexate Web of Science

1. El Bachir LAHMER*, Mohammed Amine MOUSSAOUI, **Florin BODE**, Ahmed MEZRHA, **Quality of heat transfer assessment of two microprocessors by double-layered mini channel heat sink cooling system for moderate Reynolds number**, Thermal Science and Engineering Progress, Elsevier, 2451-9049, <https://doi.org/10.1016/j.tsep.2023.101804>, 2023
2. DANCA, Paul Alexandru; BUNEA, Florentina; **BODE, Florin**; NICOLAE, Sergiu. **Evaluation of the flow induced by different shrouds geometries**. Journal of Science and Arts; Targoviste Vol. 23, Iss. 1, (2023): 281-288. DOI:10.46939/J.Sci.Arts-23.1-c03, 2023.
3. **Florin BODE**, Nicolae Vlad BURNETE, Lucian FECHETE TUTUNARU, and Ilinca NASTASE. **Improving Electric Vehicle Range and Thermal Comfort through an Innovative Seat Heating System**, Sustainability, 15, no. 6: 5534. <https://doi.org/10.3390/su15065534>, 2023
4. **Florin BODE**, Ilinca NASTASE, **Numerical investigation of very low Reynolds cross orifice jet for personalized ventilation applications in aircraft cabins**, International Journal of Environmental Research and Public Health, ISSN: 1660-4601; Int. J. Environ. Res. Public Health 2023, 20(1), 740 <https://doi.org/10.3390/ijerph20010740>
5. Catalin Ioan TEODOSIU, Catalin SIMA, Cristiana CROITORU and **Florin BODE**, **Experimental Investigation and Optimization of a Glazed Transpired Solar Collector**, Applied Sciences 12, no. 12, 11392, <https://doi.org/10.3390/app122211392>, ISSN: 2076-3417, 2022
6. Ilinca NASTASE, Paul DANCA, **Florin BODE***, Cristiana CROITORU, Lucian FECHETE, Mihnea SANDU, Costin Ioan COȘOIU, **A regard on the thermal comfort theories from the standpoint of Electric Vehicle design — Review and perspectives**, Energy Reports, Volume 8, November 2022, Pages 10501-10517, <https://doi.org/10.1016/j.egy.2022.08.186>, ISSN 2352-4847, 2022
7. Diana LEMIAN, **Florin BODE***, **Battery-Supercapacitor Energy Storage Systems for Electrical Vehicles: A Review**, ENERGIES, 2022, 15(15), 5863, <https://doi.org/10.3390/en15155683>, ISSN: 1996-1073, 2022
8. Andrei – Stelian BEJAN, Cristiana CROITORU, **Florin BODE***, Cătălin TEODOSIU, Tiberiu CATALINA, **Experimental investigation of an enhanced transpired air solar collector with embodied phase changing materials**, Journal of Cleaner Production, Volume 336, 15 February 2022, 130398, WOS:000772936200007, ISSN0959-6526, eISSN1879-1786, <https://doi.org/10.1016/j.jclepro.2022.130398>,
9. Paul DANCA, Costin Ioan COȘOIU, Ilinca NASTASE, **Florin BODE** and Matei Razvan GEORGESCU, **Personalized Ventilation as a Possible Strategy for Reducing Airborne Infectious Disease Transmission on Commercial Aircraft**, Applied Sciences 12, no. 4, 2088; <https://doi.org/10.3390/app12041826>, ISSN: 2076-3417,
10. Dragoș Daniel ION-GUȚĂ, Ioan URȘU, Adrian TOADER, Daniela ENCIU, Paul Alexandru DANCĂ, Ilinca NASTASE, Cristiana Verona CROITORU, **Florin BODE**, Mihnea SANDU, **Advanced Thermal Manikin for Thermal Comfort Assessment in Vehicles and Buildings**, Applied Sciences 12, no. 4, 1826; <https://doi.org/10.3390/app12041826>, ISSN: 2076-3417, 2022
11. Ionut Victor VOICU, **Florin BODE***, Wassim ABBOUD, Hasna LOUAHLIA, Hamid GUALOUS, Mihnea SANDU, Ilinca NASTASE, **Experimental and Numerical Study for a Novel Arrangement of a SuperCapacitors Stack to Improve Heat Transfer**, Applied Sciences 12, no. 2, 662; <https://doi.org/10.3390/app12020662>, ISSN: 2076-3417, 2022
12. **Florin BODE**, Angel DOGEANU, Laurentiu TACUTU, Ilinca NASTASE, Paul DANCA., Alexandra ENE (ANGELESCU), A., **Experimental study of an innovative perforated air diffuser at real scale conditions**,

- (2022) Energy Reports, 8, pp. 1479-1490. <https://doi.org/10.1016/j.egy.2022.09.001>, ISSN 2352-4847, 2022
13. Octavian POP, Charles BERVILLE, **Florin BODE**, Cristiana CROITORU, **Numerical investigation of cascaded phase change materials use in transpired solar collectors**, (2022) Energy Reports, 8, pp. 184-193. <https://doi.org/10.1016/j.egy.2022.06.114>, ISSN 2352-4847, 2022
 14. Charles BERVILLE, **Florin BODE**, Cristiana CROITORU. **Numerical Simulation Investigation of a Double Skin Transpired Solar Air Collector**, Applied Sciences 12, no. 1, 520; <https://doi.org/10.3390/app12010520>, ISSN: 2076-3417, 2022
 15. Matei Razvan GEORGESCU, Amina MESLEM, Ilinca NASTASE, **Florin BODE**, **Personalized ventilation solutions for reducing CO₂ levels in the crew quarters of the International Space Station**, Building and Environment, Volume 204, 15 October 2021, 108150, ISSN 0360-1323, eISSN 1873-684X, <https://doi.org/10.1016/j.buildenv.2021.108150>, 2021
 16. Laurențiu TACUTU, **Florin BODE***, Ilinca NĂSTASE, Cristiana CROITORU, Angel DOGEANU, **Experimental and numerical study on the thermal plumes of a standing and lying human in an operating room**, Science and Technology for the Built Environment, DOI:10.1080/23744731.2021.1963133, 28/1, pag2-20, ISSN: 2374-4731 print / 2374-474X online, Pag 1-19, 2021
 17. Cristiana CROITORU, Ilinca NASTASE, **Florin BODE***, Mihnea SANDU, **Assessment of Virtual Thermal Manikins for Thermal Comfort Numerical Studies. Verification and Validation**, Science and Technology for the Built Environment, DOI: 10.1080/23744731.2021.1916379, Vol21, Issue:1, pag:21-41, ISSN:2374-4731, 2021
 18. Paul DANCA, **Florin BODE**, Amina MESLEM, Cristiana CROITORU, Mihnea SANDU, Ilinca NASTASE, Catalin LUNGU, Loretta BATALI, **Experimental investigation of thermal vehicular environment during the summer season**, Science and Technology for the Built Environment, 28:1, pag42-54 DOI: 10.1080/23744731.2021.1911157, ISSN:2374-4731, 2021
 19. **Florin BODE***, Claudiu PATRASCU, Ilinca NASTASE, **Heat and mass transfer enhancement strategies by impinging jets: A literature review**, Thermal Science, 2021 Volume 25, Issue 4 Part A, Pages: 2637-2652, ISSN 0354-9836, eISSN 2334-7163, 2021 <https://doi.org/10.2298/TSCI200713227B>,
 20. **Florin BODE***, Amina MESLEM, Claudiu PATRASCU, Ilinca NASTASE, **Flow and wall shear rate analysis for a cruciform jet impacting on a plate at short distance**, Progress in Computational Fluid Dynamics, An Int. J., DOI: 10.1504/PCFD.2020.107276, Volume 20, No.3, p169-185, ISSN: 1468-4349, eISSN: 1741-5233, 2020
 21. Ionut Voicu, Rania Rizk, Hasna Louahlia, **Florin Bode**, Hamid Gualous, **Experimental and numerical study of supercapacitors module with air-cooling**, Applied Thermal Engineering, <https://doi.org/10.1016/j.applthermaleng.2019.113903>, ISSN: 1359-4311; vol. 159, August 2019
 22. Octavian G. Pop, Lucian Fechete Tutunaru, **Florin Bode**, Ancuța C. Abrudan, Mugur C. Balan, **Energy efficiency of PCM integrated in fresh air cooling systems in different climatic conditions**, Applied Energy, Volume 212, 15 February 2018, Pages 976-996, <https://doi.org/10.1016/j.apenergy.2017.12.122>, 2018
 23. Cristiana Croitoru, Ilinca Nastase, **Florin Bode**, Amina Meslem, **Thermodynamic investigation on an innovative unglazed transpired solar collector**, Solar Energy, Volume 131, June 2016, Pages 21–29, ISSN: 0038-092X, 2016, doi:10.1016/j.solener.2016.02.029,
 24. Kodjovi Sodjavi, Brice Montagné, Pierre Bragança, Amina Meslem, **Florin Bode**, Magdalena Kristiawan, **Impinging cross-shaped submerged jet on a flat plate: a comparison of plane and hemispherical orifice nozzles**, Meccanica (An International Journal of Theoretical and Applied Mechanics AIMETA), ISSN 0025-6455, December 2015, Volume 50, [Issue 12](https://doi.org/10.1007/s11012-015-0181-5), pp 2927-2947 DOI 10.1007/s11012-015-0181-52015
 25. Cristiana CROITORU, Ilinca NASTASE*, **Florin BODE***, Amina MESLEM*, Angel DOGEANU, **Thermal comfort models for indoor spaces and vehicles - Current capabilities and future perspectives**, Renewable and Sustainable Energy Reviews, 44 (2015) 304–318, 2015,

<http://dx.doi.org/10.1016/j.rser.2014.10.105>

26. Amina MESLEM, Florin BODE, Cristiana CROITORU, Ilinca NASTASE, **Comparison of turbulence models in simulating jet flow from a cross-shaped orifice**, European Journal of Mechanics – B-Fluids, 2014, vol.44, pp. 100-120, <http://dx.doi.org/10.1016/j.euromechflu.2013.11.006>, 2014
27. Amina MESLEM, Vaclav SOBOLIK, Florin BODE, Kodjovi SODJAVI, Yassine ZAOUALI, Ilinca NASTASE, Cristiana CROITORU **Flow dynamics and mass transfer in impinging circular jet at low Reynolds number. Comparison of convergent and orifice nozzles**, International Journal of Heat and Mass Transfer, vol67 (dec 2013) 25–45(21pag), <http://dx.doi.org/10.1016/j.ijheatmasstransfer.2013.07.096>, ISSN: 0017-9310, 2013
28. Florin BODE*, Amina MESLEM, Cristiana CROITORU, **Numerical simulation of a very low Reynolds cross-shaped jet**, Journal Mechanika, ISSN 1392-1207, pp.512-517(6p), 19(5), 2013, <http://dx.doi.org/10.5755/j01.mech.19.5.5537>, 2013
29. Amina MESLEM, Ilinca NASTASE, Florin BODE, Claudine BEGHEIN, **Optimization of a Lobed Perforated Panel Diffuser - A Numerical Study of Orifice Arrangement**, The International Journal of Ventilation, Volume 11, No 3, pp.255-270 (16pag), December, 2012, ISSN: 1473-3315, 2012
30. Florin BODE*, Radu BENEĂ, Victor HODOR, **Investigation on thermo-acoustical instabilities related to a confined swirling burner**, Journal Mechanika, ISSN 1392-1207, pag.37-42, Nr.1(81), Lituania, 2010
31. Florin BODE*, Corina GIURGEA, Victor HODOR, Paula UNGURESAN, **Investigation of the non-reactive flow in a swirling burner**, Journal Mechanika, ISSN 1392-1207, pag.42-47, Nr.5(79), Lituania, October 13, IF2009:0.78 (Q4), 2009

Articole științifice indexate Web of Science (Proceedings) sau SCOPUS

32. Bode, F., Joldos, T., Nastase, I., Sirbu, G.M. Numerical study on high induction air diffusers for improved indoor environmental quality in vehicles (2023) E3S Web of Conferences, 396, art. no. 01102, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164520061&doi=10.1051/e3sconf/2f202339601102&partnerID=40&md5=ae291b8be9e58f582d228617c9738534>, DOI: 10.1051/e3sconf/202339601102
33. Joldoș, T., Bode, F., Opruța, D. Numerical and experimental studies to increase the HVAC fan performance for electrical vehicles - Part 1, (2023) IOP Conference Series: Earth and Environmental Science, 1185 (1), art. no. 012042, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160961519&doi=10.1088%2f1755-1315%2f1185%2f1%2f012042&partnerID=40&md5=b32a513f0359391d51c643206f490e6a>, DOI: 10.1088/1755-1315/1185/1/012042
34. Joldoș, T., Bode, F., Opruța, D., Numerical and experimental studies to increase the HVAC fan performance for electrical vehicles - Part 2 (2023) IOP Conference Series: Earth and Environmental Science, 1185 (1), art. no. 012043, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160918320&doi=10.1088%2f1755-1315%2f1185%2f1%2f012043&partnerID=40&md5=d1d5ae1648fef424bec4acc23232af1e>, DOI: 10.1088/1755-1315/1185/1/012043
35. Ene, A., Teodosiu, C., Bode, F., Georgescu, M. Numerical assessment of the condensation phenomenon on a vehicle's windshield (2023) IOP Conference Series: Earth and Environmental Science, 1185 (1), art. no. 012029, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160910103&doi=10.1088%2f1755-1315%2f1185%2f1%2f012029&partnerID=40&md5=8c730454867a3e408cc79985d7a4c7cd> DOI: 10.1088/1755-1315/1185/1/012029

36. Bode, F., Jamin, A., Sirbu, G.M. Influence of the air diffusers on human thermal comfort inside vehicles – a review article (2023) IOP Conference Series: Earth and Environmental Science, 1128 (1), art. no. 012010, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147340759&doi=10.1088%2f1755-1315%2f1128%2f1%2f012010&partnerID=40&md5=f28d805c3d4d846dfc06228cb4f24a09> DOI: 10.1088/1755-1315/1128/1/012010
37. Danca, P.A., Nicolae, S., Bode, F., Bunea, F. Experimental and numerical investigation of hydrokinetic turbine shrouds, (2022) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 22 (4.1), pp. 73-80. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150860188&doi=10.5593%2fsgem2022%2f4.1%2fs17.10&partnerID=40&md5=70004847b49214956c7d167eece65cac> DOI: 10.5593/sgem2022/4.1/s17.10
38. Sima, C., Teodosiu, C., Croitoru, C., Bode, F. Experimental study of heat transfer inside a real scale innovative air solar collector, (2021) IOP Conference Series: Earth and Environmental Science, 664 (1), art. no. 012007, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106437142&doi=10.1088%2f1755-1315%2f664%2f1%2f012007&partnerID=40&md5=d24b11aba8ee12c6cffbfbacecfc1865> DOI: 10.1088/1755-1315/664/1/012007
39. Sima, C., Teodosiu, C., Croitoru, C., Bode, F. Analysis of numerical and experimental results of a solar glazed air collector configuration in Romania climate (2021) IOP Conference Series: Earth and Environmental Science, 664 (1), art. no. 012085, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106435840&doi=10.1088%2f1755-1315%2f664%2f1%2f012085&partnerID=40&md5=e4ba115f95ef8272812ab76754ae30c2> DOI: 10.1088/1755-1315/664/1/012085
40. Teodosiu, C., Sima, C., Bode, F., Croitoru, C. Analysis of velocity and temperature fields inside an air solar collector - A numerical approach (2021) IOP Conference Series: Earth and Environmental Science, 664 (1), art. no. 012008, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106426891&doi=10.1088%2f1755-1315%2f664%2f1%2f012008&partnerID=40&md5=544a7c664abe40f1e77ef80778c0c620> DOI: 10.1088/1755-1315/664/1/012008
41. Georgescu, M.-R., Nastase, I., Meslem, A., Sandu, M., Bode, F. Human CO₂ generation rates in small enclosures for different test cases (2021) IOP Conference Series: Earth and Environmental Science, 664 (1), art. no. 012006, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106420505&doi=10.1088%2f1755-1315%2f664%2f1%2f012006&partnerID=40&md5=48d6a2a78082c3aca0fc4747dd4abe44> DOI: 10.1088/1755-1315/664/1/012006
42. Danca, P.A., Nastase, I., Bode, F. The influence of different air flows introduced on the thermal comfort of car passengers during the cooling period - Numerical Study (2021) IOP Conference Series: Earth and Environmental Science, 664 (1), art. no. 012112, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106418830&doi=10.1088%2f1755-1315%2f664%2f1%2f012112&partnerID=40&md5=b1ede85796fce585a612ff75a42d5c8b> DOI: 10.1088/1755-1315/664/1/012112
43. Bode, F., Sandu, M., Nastase, I., Calota, R. Evaluation of a Ventilating System for Indoor Air Quality and Smoke Exhaust during Fire inside an Underground Parking (2021) IOP Conference Series: Earth and Environmental Science, 664 (1), art. no. 012009, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106409195&doi=10.1088%2f1755-1315%2f664%2f1%2f012009&partnerID=40&md5=9a051323992fb356f8bcd1095db84353> DOI: 10.1088/1755-1315/664/1/012009

44. Danca, P.A., Nastase, I., Croitoru, C., Bode, F., Sandu, M. Thermal comfort evaluation inside a car parked under sun and shadow using a thermal manikin (2021) IOP Conference Series: Earth and Environmental Science, 664 (1), art. no. 012064, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106401901&doi=10.1088%2f1755-1315%2f664%2f1%2f012064&partnerID=40&md5=c48d4054145ccd2b507067ec645eb1d> DOI: 10.1088/1755-1315/664/1/012064
45. Georgescu, M.-R., Nastase, I., Sandu, M., Meslem, A., Bode, F. Numerical Study of Personalized Ventilation Impact on Occupant Comfort in Enclosed Spaces (2021) Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123368531&doi=10.1109%2fCIEM52821.2021.9614911&partnerID=40&md5=3d155b545f611d391d1892e6101120f7> DOI: 10.1109/CIEM52821.2021.9614911
46. Pop, O.G., Bode, F., Berville, C., Croitoru, C. Numerical Analysis of PCM Packed Bed Heat Storage Coupled with Transpired Solar Collector (2021) Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123365716&doi=10.1109%2fCIEM52821.2021.9614917&partnerID=40&md5=82d029bc1bf09149345070ed9b3ae5c0> DOI: 10.1109/CIEM52821.2021.9614917
47. Berville, C., Croitoru, C., Bode, F. Investigation of the Air Layer Thickness Influence for a Novel Double Skin Transpired Solar Collector (2021) Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123350350&doi=10.1109%2fCIEM52821.2021.9614786&partnerID=40&md5=4f4809e3563ecd467efc0e9e73e9ae44> DOI: 10.1109/CIEM52821.2021.9614786
48. Jamin, A., Janssens, B., Bosschaerts, W., Bode, F., Danca, P.A., Nastase, I. Experimental Validation of the Human Thermal Plume of the Driver Inside a Vehicle Cabin (2021) Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123345801&doi=10.1109%2fCIEM52821.2021.9614728&partnerID=40&md5=d4de3b1b73541561cadca10c038852a8> DOI: 10.1109/CIEM52821.2021.9614728
49. Tacutu, L., Nastase, I., Bode, F. Operating room ventilation with laminar air flow ceiling and a local laminar air flow system near the operating table for the patient (2019) IOP Conference Series: Materials Science and Engineering, 609 (3), art. no. 032014, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074408785&doi=10.1088%2f1757-899X%2f609%2f3%2f032014&partnerID=40&md5=73ce4ccc2ab396e561cae6e01fd77dd1> DOI: 10.1088/1757-899X/609/3/032014
50. Chitaru, G., Croitoru, C., Sandu, M., Nastase, I., Bode, F., Dogeanu, A. Optimization process for an industrial ventilation system installed inside a sludge dehydration hall (2019) Proceedings of 2019 International Conference on ENERGY and ENVIRONMENT, CIEM 2019, art. no. 8937576, pp. 434-438. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078294007&doi=10.1109%2fCIEM46456.2019.8937576&partnerID=40&md5=9d51befb67b53d7e253bd9185f4c4de8> DOI: 10.1109/CIEM46456.2019.8937576
51. Georgescu, M.-R., Meslem, A., Nastase, I., Sandu, M., Bode, F. Experimental study of carbon dioxide accumulation on a model of the crew quarters on the ISS (2019) Proceedings of 2019 International Conference on ENERGY and ENVIRONMENT, CIEM 2019, art. no. 8937653, pp. 269-273. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078293914&doi=10.1109%2fCIEM46456.2019.8937653&partnerID=40&md5=f15f8488ab64bc259b8a4d4c960f009d> DOI: 10.1109/CIEM46456.2019.8937653
52. Dogeanu, A., Nastase, I., Ursu, I., Enciu, D., Bode, F., Sandu, M., Croitoru, C., Zaharia, S., Iana, G. Real time monitoring network demonstrator for air quality management (2019) Proceedings of 2019

- International Conference on ENERGY and ENVIRONMENT, CIEM 2019, art. no. 8937625, pp. 459-463.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078277329&doi=10.1109%2fCIEM46456.2019.8937625&partnerID=40&md5=8d36d6ad8df0ab01e1bb4f21e238500d> DOI: 10.1109/CIEM46456.2019.8937625
53. Georgescu, M.-R., Meslem, A., Nastase, I., Sandu, M., Bode, F. Numerical prediction of carbon dioxide accumulation in the international space station crew quarters (2019) Proceedings of 2019 International Conference on ENERGY and ENVIRONMENT, CIEM 2019, art. no. 8937688, pp. 264-268.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078258406&doi=10.1109%2fCIEM46456.2019.8937688&partnerID=40&md5=b1f8437a022e7f556faaf5e5a9c06dae> DOI: 10.1109/CIEM46456.2019.8937688
54. Tacutu, L., Nastase, I., Bode, F., Dogeanu, A., Croitoru, C. Interaction between a local and a general ventilation system for an operating room with patient (2019) Proceedings of 2019 International Conference on ENERGY and ENVIRONMENT, CIEM 2019, art. no. 8937568, pp. 348-353.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078221414&doi=10.1109%2fCIEM46456.2019.8937568&partnerID=40&md5=2aa9db1d52e7170f573722b02635864c> DOI: 10.1109/CIEM46456.2019.8937568
55. Danca, P., Nastase, I., Bode, F., Croitoru, C., Dogeanu, A., Meslem, A. Evaluation of the thermal comfort for its occupants inside a vehicle during summer (2019) IOP Conference Series: Materials Science and Engineering, 595 (1), art. no. 012027, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073617268&doi=10.1088%2f1757-899X%2f595%2f1%2f012027&partnerID=40&md5=004c894b9487c1e3bb26cc956370d3d6> DOI: 10.1088/1757-899X/595/1/012027
56. Croitoru, C., Nastase, I., Bode, F., Cojocaru, G. Assessment of virtual thermal manikins for thermal comfort numerical studies. Verification and validation (2019) E3S Web of Conferences, 111, art. no. 02018, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071885004&doi=10.1051%2fe3sconf%2f201911102018&partnerID=40&md5=20fc08833460b42767f27c7dff469af9> DOI: 10.1051/e3sconf/201911102018
57. Tacutu, L., Nastase, I., Bode, F., Dogeanu, A., Croitoru, C. Local and general ventilation system for an operating room with surgeons and patient (2019) E3S Web of Conferences, 111, art. no. 06081, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071879383&doi=10.1051%2fe3sconf%2f201911106081&partnerID=40&md5=e115b3d80f0fc33538c1065b1bef341b> DOI: 10.1051/e3sconf/201911106081
58. Georgescu, M.-R., Nastase, I., Meslem, A., Sandu, M., Bode, F. Design of a small-scale experimental model of the international space station crew quarters for a PIV flow field study (2019) E3S Web of Conferences, 111, art. no. 01045, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071871959&doi=10.1051%2fe3sconf%2f201911101045&partnerID=40&md5=0d88e029fc599b7f6f5f6bebe61c5860> DOI: 10.1051/e3sconf/201911101045
59. Tacutu, L., Nastase, I., Bode, F., Croitoru, C., Lungu, C. Numerical models development for unidirectional air flow diffusers with lobed and circular orifices (2019) E3S Web of Conferences, 111, art. no. 01049, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071856001&doi=10.1051%2fe3sconf%2f201911101049&partnerID=40&md5=7f474be810f8ae7b685687322a1c7dce> DOI: 10.1051/e3sconf/201911101049
60. Bejan, A.-S., Croitoru, C.V., Bode, F. Preliminary numerical studies conducted for the numerical model of a real transpired solar collector with integrated phase changing materials (2019) E3S Web of Conferences, 111, art. no. 03047, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071854852&doi=10.1051%2fe3sconf%2f201911103047&partnerID=40&md5=5572c4484803822a543c91affb9b0e97> DOI: 10.1051/e3sconf/201911103047
61. Danca, P., Bode, F., Dogeanu, A., Croitoru, C., Sandu, M., Meslem, A., Nastase, I. Experimental study of thermal comfort in a vehicle cabin during the summer season (2019) E3S Web of Conferences, 111, art.

- no. 01048, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071850939&doi=10.1051%2fe3sconf%2f201911101048&partnerID=40&md5=c8fb22ce234b1838fb9de88a32b0b0eb> DOI: 10.1051/e3sconf/201911101048
62. Tăcutu, L., Năstase, I., Bode, F., Croitoru, C.V., Dogeanu, A., Sandu, M. Experimental and numerical investigation on the convective thermal plume around the head of the standing and lying human body (2019) E3S Web of Conferences, 85, art. no. 02016, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062423072&doi=10.1051%2fe3sconf%2f20198502016&partnerID=40&md5=6ccdca1f13817a830aae12f7aba03ed3> DOI: 10.1051/e3sconf/20198502016
63. Chitaru, G.-M., Sandu, M., Croitoru, C.V., Bode, F. Local exhaust ventilation solutions for an industrial hall - Part 1 CFD analysis of the local exhaust systems (2019) E3S Web of Conferences, 85, art. no. 02012, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062411733&doi=10.1051%2fe3sconf%2f20198502012&partnerID=40&md5=4bbeed1777dc8925c7894e14cd45c929> DOI: 10.1051/e3sconf/20198502012
64. Bejan, A.-S., Bode, F., Catalina, T., Teodosiu, C. Mesh independency study for an elementary perforated panel part of an air solar collector (2019) E3S Web of Conferences, 85, art. no. 02017, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062407853&doi=10.1051%2fe3sconf%2f20198502017&partnerID=40&md5=b383a1ed53ce47db378f3cdd0131cb42> DOI: 10.1051/e3sconf/20198502017
65. Bejan, A.-S., Bode, F., Teodosiu, C., Croitoru, C.V., Năstase, I. Numerical model of a solar ventilated facade element: Experimental validation, final parameters and results (2019) E3S Web of Conferences, 85, art. no. 02013, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062400197&doi=10.1051%2fe3sconf%2f20198502013&partnerID=40&md5=9b3ddb9cdc2065a4c7a4c8549a3528de> DOI: 10.1051/e3sconf/20198502013
66. Drame, O., Mbow, C., Bode, F., Dia, S., Thiam, O.N. Numerical simulation of the natural, forced and mixed convection in a tunnel with a flat track of sinusoidal shape and a roof opening (2019) E3S Web of Conferences, 85, art. no. 02001, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062398285&doi=10.1051%2fe3sconf%2f20198502001&partnerID=40&md5=fa7823dae943073bd74df91f0bdd8521> DOI: 10.1051/e3sconf/20198502001
67. Dancă, P., Bode, F., Năstase, I., Croitoru, C.V., Meslem, A. Experimental and numerical study of the air distribution inside a car cabin (2019) E3S Web of Conferences, 85, art. no. 02014, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062398061&doi=10.1051%2fe3sconf%2f20198502014&partnerID=40&md5=6f5309bdb9bf0ff55e9653627606520d> DOI: 10.1051/e3sconf/20198502014
68. Nastase, I., Bode, F. Impinging jets - A short review on strategies for heat transfer enhancement (2018) E3S Web of Conferences, 32, art. no. 01013, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042943271&doi=10.1051%2fe3sconf%2f20183201013&partnerID=40&md5=faa4c38a962daedac0aad7960e7a0f57> DOI: 10.1051/e3sconf/20183201013
69. Horobet, T., Danca, P., Nastase, I., Bode, F. Preliminary research on virtual thermal comfort of automobile occupants (2018) E3S Web of Conferences, 32, art. no. 01022, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042939014&doi=10.1051%2fe3sconf%2f20183201022&partnerID=40&md5=4ff23afc52d702fe5dfb977f7a81a33b> DOI: 10.1051/e3sconf/20183201022
70. Sandu, M., Nastase, I., Bode, F., Croitoru, C., Tacutu, L. Preliminary Study on a Reduced Scaled Model Regarding the Air Diffusion inside a Crew Quarter on Board of the ISS (2018) E3S Web of Conferences, 32, art. no. 01015, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042938678&doi=10.1051%2fe3sconf%2f20183201015&partnerID=40&md5=b807d82f79e9f302f69ccf900d94f8ee> DOI: 10.1051/e3sconf/20183201015

71. Pop, O.G., Fehete Tutunaru, L., Bode, F., Balan, M.C. Preliminary investigation of thermal behaviour of PCM based latent heat thermal energy storage (2018) E3S Web of Conferences, 32, art. no. 01017, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042937034&doi=10.1051%2fe3sconf%2f20183201017&partnerID=40&md5=8cc721e1833d1c124f7622831e59687b> DOI: 10.1051/e3sconf/20183201017
72. Bode, F., Nastase, I., Croitoru, C.V., Sandu, M., Dogeanu, A. A Numerical Analysis of the Air Distribution System for the Ventilation of the Crew Quarters on board of the International Space Station (2018) E3S Web of Conferences, 32, art. no. 01006, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042928148&doi=10.1051%2fe3sconf%2f20183201006&partnerID=40&md5=a30a99c835f6b0dad39556b2354b9055> DOI: 10.1051/e3sconf/20183201006
73. Danca, P., Bode, F., Nastase, I., Meslem, A. CFD simulation of a cabin thermal environment with and without human body - Thermal comfort evaluation (2018) E3S Web of Conferences, 32, art. no. 01018, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042917008&doi=10.1051%2fe3sconf%2f20183201018&partnerID=40&md5=5006421d4bfb0330c98c1fa05aec4ea4> DOI: 10.1051/e3sconf/20183201018
74. Sandu, M., Nastase, I., Croitoru, C., Bode, F. Particle image velocimetry investigation for a scaled model of an industrial hall (2018) 15th Conference of the International Society of Indoor Air Quality and Climate, INDOOR AIR 2018, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105669772&partnerID=40&md5=0807f1c6b543a4be54b094e56f17feb8>
75. Tăcutu, L., Năstase, I., Bode, F., Dogeanu, A., Croitoru, C., Sandu, M., Gustiuc, M. Investigations on the convective thermal plume around the head of the standing and lying human body (2018) 15th Conference of the International Society of Indoor Air Quality and Climate, INDOOR AIR 2018, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105624363&partnerID=40&md5=5523510456ae1084adfbdc6215bf36c>
76. Bejan, A., Croitoru, C., Sandu, M., Nastase, I., Bode, F. Solar ventilated façade with PCM integration for air preheating (2018) 15th Conference of the International Society of Indoor Air Quality and Climate, INDOOR AIR 2018, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105614752&partnerID=40&md5=490b69e25f0ba930d97212eda76572b7>
77. Bode, F., Nastase, I., Croitoru, C., Sandu, M., Dogeanu, A., Ursu, I. Preliminary numerical studies for the improvement of the ventilation system of the crew quarters on board of the international space station (2018) INCAS Bulletin, 10 (2), pp. 137-143. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048292901&doi=10.13111%2f2066-8201.2018.10.2.13&partnerID=40&md5=840cf107dbf942ae0d2516d71ac47412> DOI: 10.13111/2066-8201.2018.10.2.13
78. Croitoru, C., Bode, F., Nastase, I., Sandu, M., Vasilescu, A., Tacutu, L. General Ventilation System Optimization Study for Environment Improvement of Sludge Dewatering Area from a Wastewater Treatment Plant (2017) Energy Procedia, 112, pp. 640-649. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018346831&doi=10.1016%2fj.egypro.2017.03.1131&partnerID=40&md5=76161ddb3fcc30ea0ff32e8131d23b9a> DOI: 10.1016/j.egypro.2017.03.1131
79. Danca, P., Bode, F., Nastase, I., Meslem, A. On the Possibility of CFD Modeling of the Indoor Environment in a Vehicle (2017) Energy Procedia, 112, pp. 656-663. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018308795&doi=10.1016%2fj.egypro.2017.03.1133&partnerID=40&md5=e408b794c22fdc9cb740a566b516b5d0> DOI: 10.1016/j.egypro.2017.03.1133
80. Tăcutu, L., Croitoru, C., Bode, F., Năstase, I., Sandu, M. Indoor environmental quality enhancement of sludge dewatering area from a wastewater treatment plant (2017) Healthy Buildings Europe 2017, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053888836&partnerID=40&md5=f8b232b9388ee6b6f5c96f4273036143>

81. Bejan, A.-S., Labihi, A., Croitoru, C.-V., Bode, F., Sandu, M. Experimental investigation of the performance of a transpired solar collector acting as a solar wall (2017) ISES Solar World Congress 2017 - IEA SHC International Conference on Solar Heating and Cooling for Buildings and Industry 2017, Proceedings, pp. 1977-1986. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050555556&doi=10.18086%2fswc.2017.31.01&partnerID=40&md5=0ada7062567bf94d2713b9d436a1a38d> DOI: 10.18086/swc.2017.31.01
82. Bode, F., Nastase, I., Danca, P., Meslem, A., Danca, P. The Influence of the Inlet Angle of Vehicle Air Diffuser on the Thermal Comfort of Passengers (2017) Proceedings of 8th International Conference on Energy and Environment: Energy Saved Today is Asset for Future, CIEM 2017, art. no. 8120779, pp. 442-446. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041238803&doi=10.1109%2fCIEM.2017.8120779&partnerID=40&md5=00e17b4fe68c36c1d55decb174ae8278> DOI: 10.1109/CIEM.2017.8120779
83. Bode, F., Croitoru, C., Tacutu, L., Nastase, I. Numerical and experimental study for the development of an advanced model of an operating room with surgeons and patient (2017) Proceedings of 8th International Conference on Energy and Environment: Energy Saved Today is Asset for Future, CIEM 2017, art. no. 8120780, pp. 447-451. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041223526&doi=10.1109%2fCIEM.2017.8120780&partnerID=40&md5=90465db0e403e3cc3c8f23eed4f1bbae> DOI: 10.1109/CIEM.2017.8120780
84. Sandu, M., Bode, F., Danca, P., Voicu, I. Water Flow Structure Optimization Between the Screenings and Grit Removals in a Wastewater Plant (2017) Proceedings of 8th International Conference on Energy and Environment: Energy Saved Today is Asset for Future, CIEM 2017, art. no. 8120778, pp. 101-104. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041178408&doi=10.1109%2fCIEM.2017.8120778&partnerID=40&md5=507aaf03c834b32bd06104b7a417c1a5> DOI: 10.1109/CIEM.2017.8120778
85. Iatan, E., Bode, F., Nastase, I., Damian, R.M. Numerical simulation and experimental calculation of the shear velocity over regularly spaced hemispheres (2016) UPB Scientific Bulletin, Series D: Mechanical Engineering, 78 (1), pp. 265-278. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85010736919&partnerID=40&md5=d7d3aa2bb71a94b84eb20ffaa456eb8f>
86. Iliescu, M., Sandu, M., Nastase, I., Bode, F., Iatan, E. Study of free surface flow in sewage pipes (2016) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2, pp. 759-766. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84994091757&doi=10.5593%2fSGEM2016%2fB52%2fS20.098&partnerID=40&md5=c526863b2de7bf0360745e8a02dfa84f> DOI: 10.5593/SGEM2016/B52/S20.098
87. Iatan, E., Iliescu, M., Bode, F., Nastase, I., Damian, R.M., Sandu, M. Numerical Study for Open-channel Flow over Rows of Hemispheres (2016) Energy Procedia, 85, pp. 260-265. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964077453&doi=10.1016%2fj.egypro.2015.12.242&partnerID=40&md5=ac3f553c7b2e6657fedbe39978200ef6> DOI: 10.1016/j.egypro.2015.12.242
88. Giurgea, C., Bode, F., Nascutiu, L., Dudescu, C. Considerations Regarding the Optically Transparent Rigid Model for PIV Investigations. A Case Study. Part 2: Notes on the Failure of the Model (2016) Energy Procedia, 85, pp. 235-243. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964036757&doi=10.1016%2fj.egypro.2015.12.233&partnerID=40&md5=4319819fb23b92d7d06a2e97623880ea> DOI: 10.1016/j.egypro.2015.12.233
89. Iliescu, M., Sandu, M., Nastase, I., Iatan, E., Bode, F. An Experimental Approach Regarding the Sewage Self-Cleansing Conditions (2016) Energy Procedia, 85, pp. 266-272. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964005634&doi=10.1016%2fj.egypro.2015.12.244&partnerID=40&md5=27c5a2d54ed07962a0e4f86af49f28aa> DOI: 10.1016/j.egypro.2015.12.244

90. Nascutiu, L., Giurgea, C., Damian, M., Bode, F., Budiu, O., Andercou, O. Considerations Regarding the Optically Transparent Rigid Model for PIV Investigations. A Case Study. Part1: Model Manufacturing (2016) Energy Procedia, 85, pp. 358-365. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964001455&doi=10.1016%2fj.egypro.2015.12.262&partnerID=40&md5=71a40f84fca2fc8cfabf3b271b047780> DOI: 10.1016/j.egypro.2015.12.262
91. Croitoru, C., Dogeanu, A., Bode, F., Nastase, I., Meslem, A. Heat transfer analysis for a transpired solar collector numerical model (2015) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 1 (4), pp. 939-944. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946714635&partnerID=40&md5=881b9bc740df04d7b8c03c6ba939e039>
92. Bode, F., Sodjavi, K., Meslem, A., Nastase, I. Comparison of turbulence models in simulating a cruciform impinging jet on a flat wall (2014) Proceedings of the 15th International Heat Transfer Conference, IHTC 2014, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086055485&doi=10.1615%2fihtc15.nsm.009371&partnerID=40&md5=b7974881dd62382003ab9793029b437a> DOI: 10.1615/ihtc15.nsm.009371
93. Sodjavi, K., Montagné, B., Bode, F., Kristiawan, M., Nastase, I., Meslem, A. Impinging jet passive control for wall shear stress enhancement (2014) Proceedings of the 15th International Heat Transfer Conference, IHTC 2014, 2014-January, pp. 1-14. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985916205&doi=10.1615%2fihtc15.ttr.009552&partnerID=40&md5=9b2c4a40a096b22fa3e3da49f6f74e5f> DOI: 10.1615/ihtc15.ttr.009552
94. Croitoru, C., Bode, F., Nastase, I., Dogeanu, A., Meslem, A. Innovative solar wall performance study for low energy buildings applications (2014) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 1 (4), pp. 307-314. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946736865&partnerID=40&md5=047e55417e441ac03d2e6d6365105d8c>
95. Croitoru, C.V., Nastase, I., Bode, F.I., Meslem, A. Innovative solar facade implementation in low energy buildings (2014) Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate, pp. 316-323. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924657163&partnerID=40&md5=d3534ece28570fcc1099b58df4727fc>
96. Bode, F., Sodjavi, K., Meslem, A., Nastase, I. Numerical prediction of wall shear rate in impinging cross-shaped jet at moderate reynolds number (2014) UPB Scientific Bulletin, Series D: Mechanical Engineering, 76 (2), pp. 251-258. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84901499807&partnerID=40&md5=af60330bfb32916d3d1c40d3c7dba34e>
97. Giurgea, C., Bode, F., Ioan Budiu, O., Nascutiu, L., Banyai, D., Damian, M. Experimental investigations of the steady flow through an idealized model of a femoral artery bypass (2014) EPJ Web of Conferences, 67, art. no. 02031, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84900556485&doi=10.1051%2fepjconf%2f20146702031&partnerID=40&md5=7528a9cb70fedcde3c43e2bfbfb80949> DOI: 10.1051/epjconf/20146702031
98. Bode, F.I., Croitoru, C.V., Dogeanu, A.M., Nastase, A. Thermal comfort and ieq assessment of an under-floor air distribution system (2013) Proceedings of BS 2013: 13th Conference of the International Building Performance Simulation Association, pp. 2334-2339. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84886695997&partnerID=40&md5=e8d3100948d0acc4ebf5682c017f96b8>
99. Croitoru, C.V., Bode, F.I., Meslem, MA, Nastase, I. Inovative ventilated envelope elements for solar heat recovery in low energy buildings (2013) Proceedings of BS 2013: 13th Conference of the International Building Performance Simulation Association, pp. 1210-1215. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84886680797&partnerID=40&md5=2d95ab97e2eda42274677ca83e504600>

100. Giurgea, C., Bode, F., Nascutiu, L., Banyai, D., Marcu, L. On investigating the flow through an axisymmetric channel with sudden changes in geometry (2013) EPJ Web of Conferences, 45, art. no. 01119, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84881649769&doi=10.1051%2fepjconf%2f20134501119&partnerID=40&md5=11599bf5a614f6481fa30a372d133ff3> DOI: 10.1051/epjconf/20134501119
101. Sfarlea, I., Bode, F., Opruta, D. The influence of the sleeve's orifices geometric patterns on the fluid flow through a hydraulic resistance (2013) EPJ Web of Conferences, 45, art. no. 01113, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84881648270&doi=10.1051%2fepjconf%2f20134501113&partnerID=40&md5=9729dbaecec296fcb4170dcdd446f5f> DOI: 10.1051/epjconf/20134501113
102. Irimie, O., Bode, F., Opruta, D. Study regarding the influence of the crimping angle on the performances of the heat exchangers (2013) EPJ Web of Conferences, 45, art. no. 01109, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84881621442&doi=10.1051%2fepjconf%2f20134501109&partnerID=40&md5=92c4d0bb34080e1a1d412f350a2aa5ab> DOI: 10.1051/epjconf/20134501109
103. Meslem, A., Bode, F., Nastase, I., Martin, O. Optimization of lobed perforated panel diffuser: Numerical study of orifice geometry (2012) Modern Applied Science, 6 (12), pp. 59-73. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84871832579&doi=10.5539%2fmas.v6n12p59&partnerID=40&md5=6a12970391bd9c01935e35d5799097ee> DOI: 10.5539/mas.v6n12p59
104. Farkas, F.A., Bode, F., Vuscan, I. Contribution for controll of autonomous underwater vehicle (AUV) (2011) Academic Journal of Manufacturing Engineering, 9 (3), pp. 42-47. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84876887948&partnerID=40&md5=aae8493fa11e7bad25d93e7c5867436c>
105. Plesa, A., Bode, F., Opruta, D. A flow simulation through a heat exchanger channel (2008) Annals of DAAAM and Proceedings of the International DAAAM Symposium, pp. 1085-1086. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904367507&partnerID=40&md5=892fff95e821080bbbed6e1b69db8fcc4>

30.09.2023

Conf. Dr. Ing. Florin BODE