

Piotr Cyklis



Academic degrees : doctor habilitatus in Engineering, prof. of CUT

Position : Professor

Engineering - technical field

Discipline Mechanical engineering

Academic qualifications:

Member of the Cracow University of Technology Senate

Membership in professional and academic boards :

SIMP NOT

Academic merits :

Over 120 published papers mostly in English. Dozens of works carried out for the industry regarding pressure pulsations, energy and flow analyzes, and designs of completed and working devices (in particular 5 evaporators for the production of a fruit juice concentrate working in Poland). Selected publications from the last few years: An innovative ecological hybrid refrigeration cycle for high power refrigeration facility / Piotr Cyklis, Karina Janisz // Chemical and Process Engineering = Inżynieria Chemiczna i Procesowa. – 2015, Vol. 36, No. 3, s. 321-330 :– ISSN 0208-6425117. An innovative simulation method for the estimation of the nozzle pressure pulsation attenuation / Piotr Cyklis, Przemysław Młynarczyk // Journal of Vibration and Control . – 2015, – ISSN 1741-2986118. CFD impulse flow simulation through shaped nozzles = Symulacja CFD przepływu impulsowego w dyszach kształtowych / Piotr Cyklis, Przemysław Młynarczyk // Technical Transactions. Mechanics = Czasopismo Techniczne. Mechanika. – 2016, Iss. 1-M, s. 75-82 ISSN 0011-4561 ; Y. 113, Iss. 1. – ISSN 1897-6328119. The influence of the spatial discretization methods on the nozzle impulse flow simulation results / Piotr Cyklis, Przemysław Młynarczyk // Procedia Engineering – 2016, Vol. 157, s. 396-403 vol.: Selected Papers from IX International Conference on Computational Heat and Mass Transfer (ICCHMT2016). – Mat. konf.: IX International Conference on Computational Heat and Mass Transfer (ICCHMT2016), Cracow, 23-26.05.2016. – doi: 10.1016/j.proeng.2016.08.382. – ISSN 1877-7058120. The control system of the ecological hybrid two stages refrigerating cycle / Piotr Cyklis, Roman Duda // E3S Web of Conferences Mat. konf.: 1st International Conference on the Sustainable Energy and Environment Development, AGH UST in Krakow, 17-19.05.2016. – doi: 10.1051/e3sconf/20161000018. – ISSN 2267-1242121. The hybrid two stage anticlockwise cycle for ecological energy conversion / Piotr Cyklis // E3S Web of Conferences. – 2016, Vol. 10, 7 s.–1st International Conference on the Sustainable Energy and Environment Development, AGH UST in Krakow, 17-19.05.2016. – doi: 10.1051/e3sconf/20161000008. – ISSN 2267-1242122. The CFD based estimation of pressure pulsation damping parameters for the manifold element / Piotr Cyklis, Przemysław Młynarczyk // Procedia Engineering [Dokument elektroniczny]. – 2016, Vol. 157, s. 387-395 Selected Papers from IX International Conference on Computational Heat and Mass Transfer (ICCHMT2016). – Mat. konf.: IX International Conference on Computational Heat and Mass Transfer (ICCHMT2016), Cracow, 23-26.05.2016. – doi: 10.1016/j.proeng.2016.08.381. – ISSN 1877-7058 The estimation of the pressure pulsation damping coefficient of a nozzle / Przemysław Młynarczyk, Piotr Cyklis // Journal of Sound and Vibration [Dokument elektroniczny]. – 2020, Vol. 464, 16 s. : il. (w tym kolor.). – Tryb dostępu: <https://www.sciencedirect.com/science/article/pii/S0022460X19305656?via%3Dihub>. – Oznaczenie ref./art.: 115002. – Bibliogr. 31 poz., Abstr. – doi: 10.1016/j.jsv.2019.115002. – ISSN 1095-8568; Heat transfer in falling film evaporators during the industrial process of apple juice concentrate production / Piotr Cyklis // Archives of Thermodynamics [Dokument elektroniczny]. – 2018, Vol. 39, No. 3, s. 3-13 : schem., tab., wyk. – Tryb dostępu: <http://at.czasopisma.pan.pl/ather/125021>. – Bibliogr. 17 poz., Abstr. – doi: 10.1515/aoter-2018-0016. – ISSN 2083-6023; Industrial scale engineering estimation of the heat

transfer in falling film juice evaporators / Piotr Cyklis // Applied Thermal Engineering [Dokument elektroniczny]. – 2017, Vol. 123, s. 1365-1373 : fot., tab., schem., wykr. – Tryb dostępu: <http://www.sciencedirect.com/science/article/pii/S1359431117300820>. – Bibliogr. 34 poz., Abstr. – doi: 10.1016/j.applthermaleng.2017.05.194. – ISSN 1873-5606 LINK: <http://suw.biblos.pk.edu.pl/userHomepage&uld=3334&rel=BPP-author>

Professional qualifications/language skills

knowledge of English at the level enabling lectures, publications and doctoral dissertations

Research field :

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Useful links :

<http://suw.biblos.pk.edu.pl/userHomepage&uld=3334&rel=BPP-author> ; <http://www.icp.mech.pk.edu.pl/m53/>