

# Publications

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- [7] P. Avogadro, F. Barranco, R.A. Broglia, E. Vigezzi. 2009. *On the structure of vortices in the inner crust of neutron stars*. International Journal of Modern Physics A, Vol 24, Number 11.
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- [10] P. Avogadro and T. Nakatsukasa. 2011. *Finite amplitude method for the quasiparticle random-phase approximation*. Phys. Rev. C 84, 014314.
- [11] T. Nakatsukasa, T. Inakura, P. Avogadro, S. Ebata, K. Sato, K. Yabana Aip Conference Proceedings 1484, 142 (2012).

- [12] T. Nakatsukasa, S. Ebata, P. Avogadro, L. Guo, T. Inakura, and K. Yoshida. 2012. *Density functional approaches to nuclear dynamics*. Journal of Physics: conference series, Vol. 387, 0120156.
- [13] P. Avogadro, F. Barranco, R.A. Broglia, E. Vigezzi, 2012. *Quantum description of the low-density Inner Crust: finite size effect and linear response, superfluidity and vortices*, contribution to the volume: Neutron Star Crust edited by C. Bertulani and J. Piekarewicz, Nova publishers.
- [14] P. Avogadro, F. Barranco, A. Idini, and E. Vigezzi. 2012. *Role of medium polarization effects in the superfluidity of finite nuclei and of neutron stars*, contribution to Fifty Years of Nuclear BCS: Pairing in finite systems edited by R. A. Broglia and V. Zelevinsky, World Scientific Publishing company Inc.
- [15] P. Avogadro and T. Nakatsukasa. 2013. *Efficient Calculation of the quasiparticle random-phase approximation matrix*. Phys. Rev. C87 014331.
- [16] P. Avogadro, C. Bertulani 2013. *Role of pairing in the description of giant monopole resonances*, Phys. Rev. C 88, 044319 Published 17 October 2013.
- [17] P. Avogadro, S. Calegari and M. Dominoni, 2015. *Designing the Content of a Social e-Learning Dashboard* Proceedings of the 7th KMIS - Volume 3, ISBN 978- 989-758-158-8, pages 79-89.
- [18] P. Avogadro, S. Calegari and M. Dominoni, 2017. *Analyzing Social Learning Management Systems for Educational Environments*, Lecture Notes in Computer Science, Volume 631, pp 470-491 Springer (**Best conference paper award**).
- [19] P. Avogadro, S. Calegari and M. Dominoni, *Managing the Expertise in a social E-learning Environment*, Proceedings of the 14th International Conference e-Society, 9-11 April 2016 (**Outstanding paper award**).
- [20] P. Avogadro, S. Calegari and M. Dominoni, 2016. *Expert Students in Social Learning Management Systems*, published on Interactive Technology and Smart Education, Vol. 13 Iss: 3, pp.202 - 217.
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- [22] F. Meluso, P. Avogadro, S. Calegari and M. Dominoni, 2017. *Success of the Functionalities of Learning Management Systems* DATA 2017 conference, Madrid, accepted (**Best student paper award candidate**).
- [23] P. Avogadro, S. Calegari and M. Dominoni, *Building a Knowledge Portal for Communities Based on Personalized Functionalities* Computers in Industry Volumes 9293, November 2017, Pages 194-207.
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- [27] S. Calegari, F. Meluso, P. Avogadro, M. Dominoni. *The Pollicina Project: Interweaving the Cultural Heritage and the Territory*. 17th International Conference E-Society 2019. Utrecht, The Netherlands, 11-13 April 2019. ISBN 978-989-8533-85-2
- [28] Avogadro P., Palonca, L. and Dominoni, M.A. *Online anomaly search in time series: significant online discords*. Knowl Inf Syst (2020). <https://doi.org/10.1007/s10115-020-01453-4>
- [29] P. Avogadro, M. A. Dominoni, 2019 *Topological Approach for Finding Nearest Neighbor Sequence in Time Series* Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management, P.233-244, DOI:10.5220/0008493302330244 (**best paper candidate**).
- [30] Avogadro P., Dominoni M.A. (2020) An Approximate High Quality Nearest Neighbor Distance Profile. In: Fred A., Salgado A., Aveiro D., Dietz J., Bernardino J., Filipe J. (eds) Knowledge Discovery, Knowledge Engineering and Knowledge Management. IC3K 2019. Communications in Computer and Information Science, vol 1297. Springer, Cham. [https://doi.org/10.1007/978-3-030-66196-0\\_8](https://doi.org/10.1007/978-3-030-66196-0_8)
- [31] P. Avogadro, M. A. Dominoni, 2020, *A fast algorithm for complex discord searches in time series: HOT SAX Time*, accepted for publication at Applied Intelligence (APIN) <https://arxiv.org/abs/2101.10698>
- [32] Palazzo Y., Calegari S., Avogadro P., Dominoni M. (2020) *The Navigation of Multi-itineraries for the Cultural Heritage Context*. In: Gervasi O. et al. (eds) Computational Science and Its Applications - ICCSA 2020. ICCSA 2020. Lecture Notes in Computer Science, vol 12253. Springer, Cham. [https://doi.org/10.1007/978-3-030-58814-4\\_40](https://doi.org/10.1007/978-3-030-58814-4_40)