INVITED TALK (RECREATIONAL MATHEMATICS)

The "Lotarias Lisbonense" of Francisco Giraldes Barba

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Abstract

Francisco Barba (1780-1855) was a Portuguese scholar and nobleman, a corresponding member of the Portuguese Academy of Sciences, with a military career. In 1834, he published an essay with a plan for a lottery, using a deck of cards, which could be played as a social recreation. In this talk we will speak about this plan and discuss the ingenious combinatorics involved. This is a joint work with Jorge Nuno Silva.

References

[1] Jorge Nuno Silva & Pedro Jorge Freitas (2023). *The Loterias Lisbonenses of Francisco Giraldes Barba*. British Journal for the History of Mathematics, 38:3, 194-207, DOI: 10.1080/26375451.2023.2258331

[2] Jorge Nuno Silva (2022). *As Loterias Lisbonenses (1834) de Francisco António Marques Giraldes Barba*. 2 ed, Ludus.

Pedro Freitas has a PhD in mathematics, is Assistant Professor in the Department of History and Philosophy of Sciences at the Faculty of Sciences of the University of Lisbon and a member of the Interuniversity Center for the History of Sciences and Technology.

His teaching and research are mainly related to the history of mathematics, recreational mathematics and relations between mathematics and art - in particular, he has been collaborating for some years in the study of the geometric work of Almada Negreiros. He is also involved in mathematical outreach.