Contribution ID: **3**   Type: **Lecture**

Asymptotic analysis of integrable dispersive PDEs: random multisoliton solutions

Thursday, June 6, 2024 11:50 AM (50 minutes)

I will present a series of examples of soliton gasses, in which the interplay of Riemann-Hilbert analysis and randomness provides a detailed description of interesting phenomena. Time will be reserved to discuss future research challenges. Our research group includes Manuela Girotti (Emory), Aikaterini Gkogkou (Tulane), Tamara Grava (SISSA), Robert Jenkins (University of Central Florida), Guido Mazzuca (Tulane), Alexander Minakov (Prague), and Maxim Yattselev (IUPUI), and I will be sampling from work with various subsets of the team.

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