

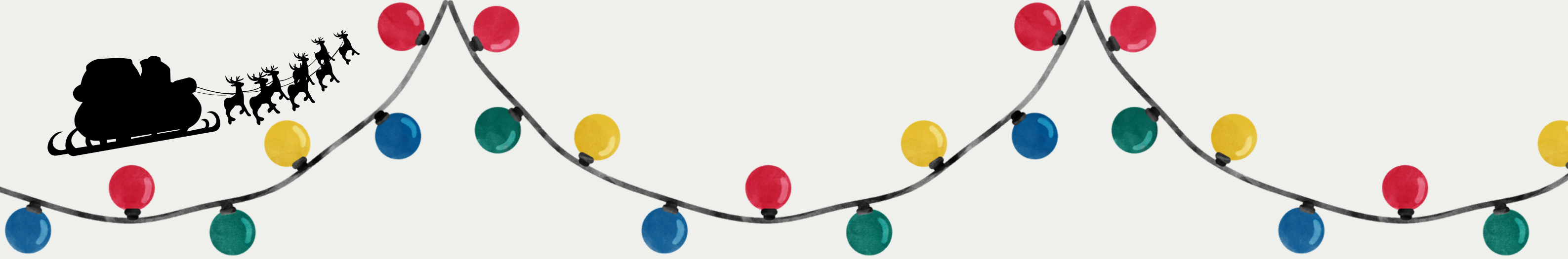
 *Xmaths* Workshop

Time	Thursday 18th
09:00	Registration
09:15	Official Greetings
09:30	Serena Grazia De Benedictis <i>"Topology Beyond Pixels: Topological Machine Learning for Lung Lesion Classification."</i>
10:00	Giacomo Gavelli <i>"Laplace and Length Spectra for closed hyperbolic surfaces of large volume."</i>
10:30	Coffee Break
11:00	Matteo Bonino <i>"Global hypoellipticity and solvability for a class of PDEs in time-periodic weighted Sobolev spaces."</i>
11:30	Viviana Viggiano <i>"Euclidean random matrices for collective photon emission by cold atomic ensembles."</i>
12:00	Alessandro Lupoli <i>"Beyond the Standard Stability Criterion for Second-Order Sigma Delta Quantization Schemes."</i>
12:30	Pitch Session
13:00	Lunch



 Xmas Workshop

Time	Thursday 18th
14:30	Fausto Colantoni <i>"Elastic Brownian motion with random jumps from the boundary."</i>
15:00	Maria Lucia Bernardi <i>"Generative AI in mathematics education: pre-service teachers' knowledge and implications for their professional development"</i>
15:30	Danilo Gregorin Afonso <i>"A matter of choice."</i>
16:00	Coffee Break
16:30	Hernik Naujoks <i>"Higher-power Harmonic Maps, Instantons and Yang-Mills Theory."</i>
17:00	Francesco Balducci <i>"Finite Energy solutions for nonlinear elliptic equations with competing gradient, singular and L1 terms."</i>



 *Xmas* Workshop

Time	Friday 19th
9:30	Alessandro Cannone <i>"Ground state solutions for the polyharmonic nonlinear scalar field equation."</i>
10:00	Mariateresa Bruni <i>"Learning Soil Moisture Dynamics: From Time-Series Models to Physics-Informed Neural Networks."</i>
10:30	Coffee Break
11:00	Davide Tramontana <i>"Propagation of Shubin-Sobolev singularities of Weyl-quantizations of complex quadratic forms."</i>
11:30	Jonas Martin Henkel <i>"The Laplace-Beltrami spectrum on Naturally Reductive Homogeneous Spaces."</i>
12:00	Antonio Milosh Radakovic <i>"On the instability of traveling water waves."</i>