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Anne-Katrin Gallagher, Purvi Gupta* (purvigupta@iisc.ac.in), **Loredana Lanzani** and **Liz Vivas**. *Holomorphic Hardy Spaces Inherited by Variety-Deleted Domains in \mathbb{C}^n* .

In this talk, we will motivate and present a construction of holomorphic Hardy spaces for a class of domains — the so-called variety-deleted domains, which are derived from domains with a prior Hardy space structure. We will show, via certain illuminating examples, how this approach is particularly suited for obtaining new boundary integral representation formulas for holomorphic functions (with certain allowable singularities).

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