Séminaire d'analyse

From Kolmogorov program and Oka-Cartan theory to unique continuation: on operator-theoretic insights in Analysis

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Date, heure et endroit

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Résumé:

Recently, there has been a significant progress in a number of long standing problems in Analysis (connected to some emerging fields of PDEs and Probability), where the key insights came from the operator-theoretic considerations (often, allowing to reduce the principal difficulty to a form that can be resolved using the methods of harmonic analysis).

In my talk, I will try to shed some light on the current (and future) role of the operator-theoretic approach in Analysis, in particular, its decisive role in handling "critical singularities".

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