Abstract for East Asia Section of Inverse Problems International Association (IPIA) - 7th Young Scholar Symposium (Dec 9-10, 2023)

<u>Uniqueness Principle for Fractional Polyharmonic Operators and Applications to Inverse</u> Problems

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We are concerned with inverse problems involving poly-fractional operators, where the poly-fractional operator involves multiple anisotropic fractional Laplacians of different orders. We will discuss the physical significance of such operators, give novel results for their unique continuation properties, and consider the corresponding inverse problems.