Type: Oral presentation

## On matrix representations of operators that are isometric with respect to generalized covariances

Friday, 8 March 2024 13:40 (15 minutes)

We would like to generalize, from the dilation theory point of view, the study of operators that are isometric with respect to the first-order covariance. We highlight the conditions under which an operator admits a dilation satisfying  $S^*\Delta_S S = \Delta_S$ , where  $\Delta_S$  is a generalized covariance for S.

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Session Classification: Natural Sciences - Be innovative and shape the future in your field

**Track Classification:** Cross-disciplinary sessions for Early-Stage Researchers: Natural Sciences – Be

innovative and shape the future in your field