

**Abstract:**

Nonlinear algebra is the application driven study of nonlinear equations, with a view towards computations. It goes beyond the well-developed tools from linear algebra and allows scientists to effectively compute with nonlinear models. Recent advances in the field have manifested its importance in real world problems. Application areas include computer vision, chemistry, robotics, statistics and data science, to name a few. This Minisymposium features new theoretical and methodological developments in nonlinear algebra, as well as computational and applied aspects.