



Contribution ID: 167

Type: **Talk (preferred)**

## **Exploring higher order dispersion: Families of exact soliton solutions**

*Thursday 15 December 2022 14:30 (15 minutes)*

Recent studies have shown that solitons dominated by higher order dispersion effects give rise to a large family of possible soliton solutions. We study soliton solutions formed in higher order dispersion systems and uncover families of exact analytic solutions.

**Author:** QIANG, Yun Long

**Co-authors:** DE STERKE, Martijn (University of Sydney); ALEXANDER, Tristram (University of Sydney)

**Presenter:** QIANG, Yun Long

**Session Classification:** Australian and New Zealand Conference on Optics and Photonics

**Track Classification:** ANZCOP: ANZCOP: Nonlinear optics and photonics