



Contribution ID: 656

Type: **Talk (preferred)**

Superfluid Optomechanical Dissipative Solitons

Tuesday 13 December 2022 16:45 (15 minutes)

Experimental results of high amplitude superfluid helium-4 waves and nonlinear phenomena including cnoidal waves, pulse trains and superfluid optomechanical dissipative solitons are presented, agreeing with the recently observed optomechanical dissipative solitons in solid state.

Author: WASSERMAN, Walter

Co-authors: BAKER, Christopher (The University of Queensland); HARRISON, Raymond (The University of Queensland); HARRIS, Glen (University of Queensland); Dr MARINKOVIC, Igor (The University of Queensland); SAWADSKY, Andreas Sawadsky; REEVES, Matt (University of Queensland); Dr KIM, Seunghwi (City University of New York); Dr ALÛ, Andrea (City University of New York); BOWEN, Warwick (The University of Queensland)

Presenter: WASSERMAN, Walter

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

Track Classification: ANZCOP: ANZCOP: Optoacoustics