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# Topology Seminar

## On aspherical symplectic fillings of the prequantization bundles

*by*

*Professor Guanheng CHEN*  
*Shenzhen University*

### **Abstract :**

A prequantization bundle is a negative circle bundle over a symplectic surface, together with a contact form induced by an  $S^1$ -invariant connection. In this talk, I will present a result concerning the diffeomorphism type of the symplectic fillings of a prequantization bundle, under certain topological and symplectic assumptions. I will explain how to adapt D. McDuff's methods to our situation and discuss the contributions from linearized contact homology.

Date :	May 27, 2024 (Monday)
Time :	10:30am – 11:30am (Hong Kong SAR)
Venue:	Room 219, Lady Shaw Building

*All are Welcome*