



## ANALISYS SESSION

### Some results on normalized solutions for the Schrödinger equations.

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#### **Abstract.**

In this talk, we will introduce some results on normalized solutions for the Schrodinger equations. First of all, we show the existence of normalized solutions for the Schrodinger equations with  $L^2$ -subcritical growth and different types of potentials. Then, existence and multiplicity of normalized solutions for a Schrodinger equation with critical growth in  $\mathbb{R}^n$  will be given. Finally, we investigate the existence of multiple normalized solutions to the logarithmic Schrodinger equation via the minimization techniques and the Lusternik-Schnirelmann category. These are joint works with C.O. Alves and O. H. Miyagaki.