

**MATHEMATICS  
COLLOQUIUM  
JOINT MEETING  
WITH  
MATHEMATICAL  
PHYSICS SEMINAR**

Henrique Bursztyn

IMPA, Brazil

*"Generalized complex/Kähler geometry"*

Thursday, April 17th, 2008

4:10-5:00pm, tea time @ 3:40

Surge 268

Generalized complex structures, introduced by Hitchin in 2003, interpolate between symplectic and complex structures and have interesting connections with mathematical physics. The talk will give a general introduction to generalized complex and Kähler structures, including different approaches, examples, and a survey of recent developments.