

An International Conference to  
Celebrate the Birthday of Shing-Tung Yau  
August 27-September 1, 2008

THE SEIBERG-WITTEN EQUATIONS AND DYNAMICS OF  
VECTOR FIELDS IN DIMENSION 3

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**Abstract:** I will indicate how the Seiberg-Witten equations can be used to analyze the dynamics of volume preserving vector fields on compact, oriented, 3-dimensional manifolds.