

## Cohomology and Hodge theory on symplectic manifolds

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14:00 - 15:00

R202, Astronomy and Mathematics Building

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On symplectic manifolds, Tseng and Yau found a cohomology theory which is analogous to Dolbeault theory on complex manifolds. In this talk, I will explain its relation with the Lefschetz map. This then leads to a product structure on the chain complex, and makes it into an A-infinity algebra. This is a joint work with L.-S. Tseng and S.-T. Yau.



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Center for Advanced Study in Theoretical Sciences, NTU