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# Seminar

## On Cosmetic Surgeries on Knots

*Professor Kazuhiro Ichihara*

Department of Mathematics  
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**Abstract:** The cosmetic surgery conjecture says that no pair of Dehn surgeries on a knot along inequivalent slopes yield orientation preservingly homeomorphic 3-manifolds. After introducing several known results, I will talk about some recent results concerning certain two-bridge knots. Also I will present a new example of a hyperbolic knot admitting a pair of Dehn surgeries yielding orientation reversingly homeomorphic hyperbolic 3-manifolds. This talk is based on joint works with Toshio Saito and In Dae Jong.

Date: 25 April 2016 (Monday)  
Venue: Rm 222, Lady Shaw Building,  
The Chinese University of Hong Kong, Shatin  
Time: 4:00 p.m. – 5:00 p.m.

*All are Welcome!*