

Joint Conference of AMS and HKMS  
Special Session "Low-dimensional Topology"

Organizers: Iain Aitchison and Hyam Rubinstein

On December 13 (Wednesday)

**Efficient triangulations and Heegaard splittings of 3-manifolds**

J.H. Rubinstein

University of Melbourne

Time: 2:00-2:45pm

**Normal surfaces in non-compact 3-manifolds with an ideal triangulation**

En Sil Kang

Korea Advanced Institute of Science and Technology

Time: 2:45-3:30pm

Tea Break

**NP problems in 3-manifold topology**

Ian Agol

University of Melbourne

Time: 3:45-4:45pm

On December 14 (Thursday)

**Vanishing of the torsion linking of a surface-link with a projection image without triple points**

Akio Kawauchi

Osaka City University

Time: 11:15am-12noon

**An unknotting operation on ribbon 2-knots**

Taizo Kanenobu

Osaka City University

Time: 12:00-12:45pm

Lunch Break

**Braid presentation of virtual knots and welded knots**

Seiichi Kamada

Osaka City University

Time: 2:00-2:45pm

**Knots with the same finite type invariants and  $C_k$ -distance**

Yasutaka Nakanishi

Kobe University

Time: 2:45-3:30pm

On December 15 (Friday)

**Casson invariants, cores, Kauffman and quandles**

Iain Aitchison

University of Melbourne

Time: 12:00-12:45pm