

# AGU Workshop on Geometry and Representation Theory

Date: May 9 (Saturday), 2015

Place: Room L603, Aoyamagakuin University, Sagamihara Campus  
青山学院大学工学部 (相模原キャンパス) L603 号室  
<http://www.agnes.aoyama.ac.jp/access/index.html>

## • May 9, 2015 (Saturday)

**09:30 – 10:10:** Masatoshi Kitagawa (Univ Tokyo) 北川 宜稔 (東大数理)  
On irreducibility of  $U(\mathfrak{g})^H$ -modules ( $U(\mathfrak{g})^H$ -加群の既約性について)

**10:30 – 11:30:** Bent Ørsted (Aarhus Univ) 勉人 獲瑠洲鐵土 (オーフス大)  
Some natural deformations of the Fourier transform

**12:40 – 13:20:** Toshihisa Kubo (Univ Tokyo) 久保 利久 (東大数理)  
On the reducible points for scalar generalized Verma modules

**13:40 – 14:40:** Hiroshi Oda (Takushoku Univ) 織田 寛 (拓殖大)  
Radial pairs and Ciubotaru-Trapa functors

## • Introductory Lecture for undergraduate students: (学部学生向け入門講義)

**15:00 – 15:40:** Bent Ørsted (Aarhus Univ)  
Some mathematics and some physics connected with ellipses in the plane

**16:00 – 17:00:** Yoshiki Oshima (IPMU) 大島 芳樹 (数物連携宇宙研究機構)  
On the continuations of Borel-de Siebenthal discrete series representations

**17:20 – 18:00:** Ryosuke Nakahama (Univ Tokyo) 中濱良祐 (東大数理)  
Norm computation and analytic continuation of vector valued holomorphic discrete series representations

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<http://www.gem.aoyama.ac.jp/~kyo/math-j.html>