

# Hiroshima University Academic Lecture Meeting

**[Date and Time] 10:00-12:00, Mon 27 Nov, 2017**

**[Venue] Room E002, Graduate School of Science,  
Hiroshima University**

**[Lecturer] Professor Ivan I. Smalyukh**

Department of Physics and Soft Materials Research Center,  
University of Colorado at Boulder

**[Title] "Towards Chiral Liquid Crystal Displays with Knots  
in Every Pixel"**

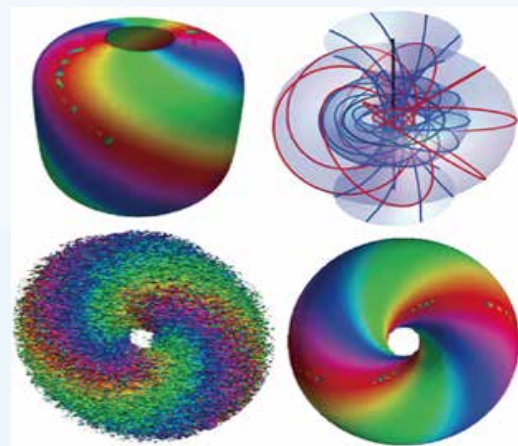
**[Language] English**

## Program

- 10:00 ~ 10:05** Opening Remarks  
by Professor Yohsuke Yamamoto,  
Executive and Vice President (Research)
- 10:05 ~ 12:00** Lecture by Professor Smalyukh  
including Q & A Session

## Brief Introduction of Prof. Smalyukh

Professor Ivan I. Smalyukh is a world-renowned researcher in the field of liquid crystal science. He has discovered three-dimensional topological solitons, hopfions and axisymmetric skyrmions in chiral liquid crystals. In this lecture for non-specialists, Prof. I. Smalyukh talks about his investigations of solitonic states in recently synthesized chiral ferromagnetic liquid crystals and demonstrate how these findings may lead to a novel breed of Liquid Crystal Displays.



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