

## Conference on Applied Analysis in Kumamoto University

We kindly announce the information of the conference in Kumamoto University. If you attend this conference, please register in the following website.

Date: February 7 (Fri) 14:30 – 8 (Sat) 17:10, 2025

Venue: Lecture Room C329 on the 3<sup>rd</sup> floor of building 1-2, Faculty of Science,  
South Campus, Kumamoto University

Kurokami 2-39-1, Chuo-ku, Kumamoto, 860-8555 Japan

Website: <https://sci.kumamoto-u.ac.jp/~yoshihisa/KumamotoSeminar.html>

Banquet: <https://forms.gle/hj7vD8RVrX75NkWj9>

### Program

#### February 7 (Fri)

- 14:30 – 15:20 Shinya Kinoshita (Institute of Science Tokyo)  
Global well-posedness for 3D quadratic nonlinear Schrödinger equations
- 15:40 – 16:30 Koji Kikuchi (Shizuoka University)  
A one-dimensional hyperbolic free boundary problem  
and an estimate of the free boundary
- 16:40 – Discussion

#### February 8 (Sat)

- 10:10 – 11:00 Sun-Sig Byun (Seoul National University)  
Local, nonlocal and mixed local-nonlocal problems
- 11:20 – 12:10 Tatsuya Miura (Kyoto University)  
Variational stabilization of degenerate  $p$ -elasticae
- (Lunch Break)

- 14:00–14:50 Keisuke Takasao (Kyoto University)  
On the singular limit of the phase-field model of self-propelled objects
- 15:10 – 16:00 Ikkei Shimizu (Kyoto University)  
On isolated skyrmion solutions to the Landau-Lifshitz equation
- 16:20 – 17:10 Hiroshi Ohtsuka (Kanazawa University)  
Refinement of asymptotic behavior of the eigenvalues  
for the linearized Liouville-Gel'fand problem

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