

Denmark–Japan PhD Research Seminar in Mathematics Education

Date: Tuesday 3 March 2026, 13:30–18:00 (JST)
Place: Waseda University, Building 14, Room 717A, B

13:30–13:35 Welcome

Session 1 (13:40–14:55)

13:40–13:55

Presenter: Mayu Aoki (Waseda University, Japan)

Title: *A Comparative Analysis of Fractions to Be Taught in Primary School Mathematics: The Cases of France and Japan*

13:55–14:10

Presenter: Julie Vangsoe Faerch (University College Copenhagen, Denmark)

Title: *Representation Competency and Fraction Understanding in Danish Primary School*

14:10–14:25

Presenter: Naoya Miwa (University of Tsukuba, Japan)

Title: *A Study on Methods of Diagram Modification in Mathematical Generalization — From the Perspective of Diagram Modification in Semiotics —*

14:25–14:55

Collective discussion

14:55–15:10 Coffee break

Session 2 (15:10–16:25)

15:10–15:25

Presenter: Mette Amalie Fischer Bundgaard (University College Copenhagen, Denmark)

Title: *Connecting Early Years and Primary Education Through Mathematical Reasoning in Kindergarten Class*

15:25–15:40

Presenter: Yuki Tanimoto (University of Tsukuba, Japan)

Title: *Levels of Reasoning in Graph Theory: The Case of Shortest Paths*

15:40–15:55

Presenter: Kasper Højbjerg (University College Copenhagen, Denmark)

Title: *Reasoning and Proof in Danish Lower Primary Mathematics Classrooms*

15:55–16:25

Collective discussion

16:25–16:40 Coffee break

Session 3 (16:40–17:55)

16:40–16:55

Presenter: Daisuke Morita (Saitama Gakuen University, Japan)

Title: *How Do Japanese Elementary School Teachers Conduct Kyozaï Kenkyū? Focusing on the Lychrel Process*

16:55–17:10

Presenter: Stine Gerster Johansen (University College Copenhagen, Denmark)

Title: *Teaching Statistics for Judgement and Participation: Insights from a Danish Classroom Study*

17:10–17:25

Presenter: Seitaro Hanasaki (Hiroshima University, Japan)

Title: *Curriculum Development as an Object of Study: From the Perspective of the Anthropological Theory of the Didactic*

17:25–17:55

Collective discussion

17:55–18:00 Closing

Each session consists of three oral presentations (15 minutes each, including presentation and questions), followed by a 30-minute collective discussion (20 minutes in small groups and 10 minutes in plenary).