

## Lecture series on Mathematical Fluid Dynamics in Waseda "Maximal Regularity Theorem and Mathematical Fluid Dynamics"

Waseda University, Tokyo, Japan March 9–12, 2021

Venue: Online via ZOOM

Timetable (in Japan Time = GMT+9)

	Mar. 9 (Tue)	Mar. 10 (Wed)	Mar. 11 (Thu)	Mar. 12 (Fri)
17:00   18:00	<b>Yoshihiro Shibata</b> ①	<b>Senjo Shimizu</b> ①	<b>Yoshihiro Shibata</b> ②	<b>Senjo Shimizu</b> ②
18:15   19:15	<b>Robert Denk</b> ①	<b>Patrick Tolksdorf</b> ①	<b>Mads Kyed</b> ②	<b>Patrick Tolksdorf</b> ②
19:30   20:30	<b>Mads Kyed</b> ①	<b>Robert Denk</b> ②	<b>Robert Denk</b> ③	<b>Mads Kyed</b> ③

Lecturer	Title
Robert Denk (Universität Konstanz)	Maximal regularity and the Newton polygon approach
Mads Kyed (Hochschule Flensburg)	Fluid-structure interaction under periodic forcing
Yoshihiro Shibata (Waseda Univ.)	R-Bounded Solution Operators and Mathematical Fluid Dynamics
Senjo Shimizu (Kyoto Univ.)	Maximal $L^1$ -regularity and a free boundary problem for the incompressible Navier-Stokes equations
Patrick Tolksdorf (Johannes Gutenberg-Universität Mainz)	Free Boundary Problems via Da Prato - Grisvard Theory