

*2022 Shanks Workshop on Mathematical Aspects of Fluid Dynamics*  
*Vanderbilt University*  
*February 19-20, 2022*

***Saturday, February 19***

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|-------------|---|
| 08:30-09:00 | Registration, coffee  |
| 09:00-09:50 | <b>Vera Mikyong Hur:</b> Stokes waves are unstable  |
| 10:00-10:50 | <b>Mihaela Ignatova:</b> Electroconvection in fluids  |
| 11:00-11:30 | Coffee break  |
| 11:30-12:20 | <b>Maxim Olshanskii:</b> Modeling and simulation of fluidic surfaces                                      |
| 12:20-02:00 | Lunch break, coffee at 1:30   |
| 02:00-03:45 | <b>Contributed talks</b> (two parallel sessions)  |
| 03:45-04:00 | Coffee break  |
| 04:00-05:00 | <b>Mihaela Ifrim:</b> The time-like minimal surface equation in Minkowski space: low regularity solutions |

***Sunday, February 20***

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| 08:30-09:00 | Coffee   |
| 09:00-09:50 | <b>Sohrab Shahshahani:</b> Well-posedness for the hard phase model with free boundary  |
| 10:00-10:50 | <b>Yu Deng:</b> Mathematical wave turbulence and propagation of chaos  |
| 11:00-11:50 | <b>Konstantina Trivisa:</b> Invariant measures for the stochastic Navier-Stokes equations for compressible flows and the problem of turbulence |