

**MASTER'S THESIS PRESENTATION**  
**– Computational Physics –**

**July 1, 2026**  
**room 215**

| <b>Time</b> | <b>Name</b>           | <b>Thesis title</b>  | <b>Scientific advisor</b>                                   |
|-------------|-----------------------|--|---|
| 10:00       | ANDRÁS Barnabás-Tamás | Robophysical Study of Snake Locomotion Under Sinusoidal and Neural Control | Lect. dr. Sándor Bulcsú                                     |
| 10:20       | BÁCS Tamás            | Design and Construction of a Low-Cost Educational Spectrophotometer        | Conf. dr. Simon Alpár<br>Lect. dr. Tunyagi Arthur           |
| 10.40       | ENE Vlad-Mihai        | Stochastic Pricing of Derivative Financial Instruments                     | Conf. dr. Járai-Szabó Ferenc<br>Conf. dr. Nagy Bálint-Zsolt |
| 11.00       | JOÓS Krisztina        | A Two-Step Model of Photoelectron Hologram Formation                       | Lect. dr. Borbély Sándor                                    |
| 11.20       | MATEI Teodora-Maria   | Background Stability of Weyl Boundary in Warm Inflation                    | Dr. Harkó Tiberiu   |
| 11.40       | SCHULLER Evelyn       | A Close Study of Heavy Actinides   | Lect. dr. Paşca Horia                                       |
| 12.00       | VITUS Szabolcs        | Synchronization and Swarming of Two-Mode Stochastic Oscillators            | Conf. dr. Járai-Szabó Ferenc                                |

Time for presentation 12 minutes, and for questions 5 minutes.