Special session of the 77th International Conference of University of Latvia

**Physical aspects of quantum advantage for information and measurement technologies**

Wednesday, January 29th, 2020; *House of Sciences* building, Jelgavas street 3, Riga, room 105.

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| --- | --- | --- | --- |
| 09:30 | *Coffee* | min. |  |
| 10:00 | Amnon Aharony | 50+10 | Spin filters: writing quantum information  on flying qubits |
| 11:00 | Sungguen Ryu | 25+5 | Detection of picosecond electron motion in a single-electron source |
| 11:30 | Aydin Deger | 25+5 | Determination of universal critical exponents using Lee-Yang theory |
| 12:00 | *Lunch* |  |  |
| 12:50 | *Coffee* |  |  |
| 13:00 | Ora Entin-Wohlman | 50+10 | Spin-orbit interactions and  topological phases |
| 14:00 | Vyacheslavs Kashcheyevs | 25+5 | Anomalous localization  in quantum random walks |
| 14:30 | Austris Akmentins | 25+5 | Single-electron capture in  a dynamic quantum dot |
| 15:00 - -16:00 | Andris Ambainis | 50+10 | Algorithms for quantum computers |

LU 78. Starptautiskā zinātniskā konferenc

**Kvantiskuma priekšrocības fizikālie aspekti informācijas un mērījumu tehnoloģijās**

2020. gada 29. janvārī (trešdien), LU Zinātņu mājā, Jelgavas ielā 3, 105. telpā

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| 09:30 | *Kafijas pauze* | min. |  |
| 10:00 | Amnon Aharony | 50+10 | Spin filters: writing quantum information  on flying qubits |
| 11:00 | Sungguen Ryu | 25+5 | Detection of picosecond electron motion in a single-electron source |
| 11:30 | Aydin Deger | 25+5 | Determination of universal critical exponents using Lee-Yang theory |
| 12:00 | *Pusdienas* |  |  |
| 12:50 | *Kafijas pauze* |  |  |
| 13:00 | Ora Entin-Wohlman | 50+10 | Spin-orbit interactions and  topological phases |
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