Optica Quantum 2.0 Conference and Exhibition
23 – 27 June 2024
Postillion Hotel & Convention Centre WTC Rotterdam
An in-person event with on-demand content
Central European Summer Time (UTC 02:00)

Agenda of Sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:00—17:00</td>
<td>Registration, Exchange Hall</td>
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<tr>
<td>09:00—18:00</td>
<td>IONS+Rotterdam, Penn Room</td>
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<tr>
<td>17:00—18:00</td>
<td>Welcome Happy Hour, Exchange Hall</td>
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</tbody>
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Online Access to Technical Digest Papers

Full Conference Registrants will have perpetual access to the digest papers through Optica Publishing’s Digital Library starting 17 June, 2024.
To access the papers go to https://www.optica.org/events/topical_meetings/quantum/ and select “Access Digest Papers”

During and after the conference, access is limited to Full Technical Congress Attendees only. You will be asked to validate your credentials by entering the same login email address and password provided during the registration process. If you need assistance with your login information, please use the “forgot password” utility or “Contact Help” link.
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<thead>
<tr>
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<tr>
<td>07:00—17:00</td>
<td>Registration, Exchange Hall</td>
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<tr>
<td>08:30—09:30</td>
<td>QM1A • Introductory and Keynote Session I, Rotterdam Hall 2</td>
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<tr>
<td>09:30—10:00</td>
<td>Coffee Break, Exchange Hall</td>
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<tr>
<td></td>
<td>Sponsored by American Elements and Qunnect</td>
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<tr>
<td>10:00—12:00</td>
<td>QM2A • Single Photon Detectors</td>
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<td></td>
<td>QM2B • Quantum Network I</td>
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<td></td>
<td>QM2C • Frontiers in Quantum Sensing</td>
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<tr>
<td>12:00—13:00</td>
<td>Lunch (On Your Own)</td>
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<tr>
<td>13:00—14:30</td>
<td>QM3A • Ion QC</td>
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<tr>
<td></td>
<td>QM3B • Quantum Optics / New Frontiers</td>
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<td></td>
<td>QM3C • Tutorial: Quantum Sensing</td>
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<tr>
<td>14:30—15:00</td>
<td>Coffee Break, Exchange Hall</td>
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<td>Sponsored by American Elements and Qunnect</td>
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<tr>
<td>15:00—16:30</td>
<td>QM4A • Quantum Sensing I</td>
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<td></td>
<td>QM4B • Integrated Photonics Sources</td>
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<tr>
<td></td>
<td>QM4C • Tutorial: Fault Tolerance QC</td>
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<tr>
<td>16:30—17:00</td>
<td>Coffee Break, Exchange Hall</td>
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<td>Sponsored by American Elements and Qunnect</td>
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<tr>
<td>17:00—18:30</td>
<td>QM5A • Quantum Theory</td>
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<td>QM5B • Integrated Photonics Sources I</td>
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<td>QM5C • Tutorial: Quantum Memory</td>
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## Agenda of Sessions

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<th>Time</th>
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<th>Location</th>
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<tbody>
<tr>
<td>07:00—17:00</td>
<td>Registration, <em>Exchange Hall</em></td>
<td><em>Rotterdam Hall 2</em></td>
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<tr>
<td>09:00—10:00</td>
<td>QTU1A • Symposium on Definition and Implementation of Quantum Advantage and Keynote Session II, <em>Rotterdam Hall 2</em></td>
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<tr>
<td>10:00—17:00</td>
<td>Exhibit Hours, <em>Exhibit Hall</em></td>
<td><em>Exhibit Hall</em></td>
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<td></td>
<td>Coffee Break with Exhibitors: 10:00-10:30</td>
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<tr>
<td></td>
<td>Lunch Break with Exhibitors: 12:30-13:30</td>
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<tr>
<td></td>
<td><em>Sponsored by American Elements and Qnnect</em></td>
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<tr>
<td>10:30—12:30</td>
<td>QTu2A • Symposium Definition and Implementation of Quantum Advantage II, <em>Rotterdam Hall 2</em></td>
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<tr>
<td>13:30—14:30</td>
<td>Find the Quantum Gap, <em>Show Floor Theater</em></td>
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<tr>
<td>14:00—16:00</td>
<td>QTu3A • Poster Session I, <em>Exhibit Hall</em></td>
<td><em>Exhibit Hall</em></td>
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<tr>
<td>14:45—15:45</td>
<td>QTu3A • Quantum Technologies in Developing Countries, <em>Show Floor Theater</em></td>
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<tr>
<td>16:00—18:00</td>
<td>QTu4A • Interconnects / Transmission</td>
<td>QTu4B • Quantum Network II</td>
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<tr>
<td>18:00—19:30</td>
<td>Conference Reception, <em>Exchange Hall</em></td>
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### Agenda of Sessions

**Wednesday, 26 June**

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<th>Time</th>
<th>Location</th>
<th>Session</th>
<th>Hall</th>
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<tbody>
<tr>
<td>07:00—08:00</td>
<td>Rotterdam Hall 2</td>
<td>Quantum Ride, <em>Front Entrance of Postillion Hotel &amp; Convention Centre</em></td>
<td>Mees I</td>
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<tr>
<td>07:30—17:00</td>
<td></td>
<td>Registration, <em>Exchange Hall</em></td>
<td>Mees II</td>
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<tr>
<td>09:00—10:00</td>
<td></td>
<td>QW1A • Keynote Session II and Ted Hänsch Prize Presentation, <em>Exchange Hall</em></td>
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<tr>
<td>10:00—10:20</td>
<td></td>
<td>Technology Showcase: Thorlabs Quantum Optics Kit, <em>Show Floor Theater</em></td>
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<tr>
<td>10:00—17:00</td>
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<td>Exhibit Hours, <em>Exhibit Hall</em></td>
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<td></td>
<td>Coffee Break with Exhibitors: 10:00-10:30</td>
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<td>Lunch Break with Exhibitors: 12:30-13:30</td>
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<tr>
<td>10:00—12:30</td>
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<td>QW2A • Down Conversion Sources</td>
<td>Mees I</td>
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<tr>
<td>10:00—12:30</td>
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<td>QW2B • Quantum Networks III</td>
<td>Mees II</td>
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<tr>
<td>10:00—12:30</td>
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<td>QW2C • Superconducting QC</td>
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<tr>
<td>12:30—13:30</td>
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<td>Lunch (On Your Own)</td>
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<tr>
<td>13:30—14:30</td>
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<td>The Road to Next Generation Quantum Communication Tech, <em>Show Floor Theater</em></td>
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<tr>
<td>14:00—16:00</td>
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<td>QW3A • Poster Session II, <em>Exhibit Hall</em></td>
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<tr>
<td>16:00—18:15</td>
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<td>QW4A • Photonic QC</td>
<td>Mees I</td>
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<tr>
<td>16:00—18:15</td>
<td></td>
<td>QW4B • Quantum Memory (Ends at 18:00)</td>
<td>Mees II</td>
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<tr>
<td>16:00—18:15</td>
<td></td>
<td>QW4C • Tutorial: Ion Trap Quantum Computing (Ends at 17:30)</td>
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## Agenda of Sessions

**Thursday, 27 June**

<table>
<thead>
<tr>
<th>CEST (02:00 UTC)</th>
<th>Rotterdam Hall 2</th>
<th>Mees I</th>
<th>Mees II</th>
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<tbody>
<tr>
<td>07:30—16:30</td>
<td>Registration, <em>Exchange Hall</em></td>
<td></td>
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</tr>
<tr>
<td>09:00—10:00</td>
<td>QTh1A • Keynote Session III, <em>Rotterdam Hall 2</em></td>
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<td></td>
</tr>
</tbody>
</table>
| 10:00—17:00     | Exhibit Hours, *Exhibit Hall*  
Coffee Break with Exhibitors: 10:00-10:30  
Lunch Break with Exhibitors: 12:30-13:30  
*Sponsored by American Elements Qunnect* |        |         |
| 10:00—10:20     | Technology Showcase  
*Sponsored by IBM* |        |         |
| 10:30—12:30     | QTh2A • Atomic QC  
QTh2B • Entanglement Distribution  
QTh2C • Instrumentation |        |         |
| 12:30—14:00     | Lunch (On Your Own) |        |         |
| 14:00—16:00     | QTh3A • Poster Session III, *Exhibit Hall* |        |         |
| 16:00—18:00     | QTh4A • Quantum Sources  
QTh4B • Quantum Key Distribution  
QTh4C • Quantum Sensing |        |         |
| 18:00—19:00     | Closing Toast, *Exchange Hall* |        |         |