

SILICON QUANTUM ELECTRONICS WORKSHOP 2026 &  
INTERNATIONAL CONFERENCE ON SPIN SHUTTLING 2026

# SiQEW 2026 & ICOSS 2026

August 31 – September 2 | September 3  
Songdo Convensia, Incheon, Korea

## Exhibitor Introduction

| Company Name           | Quantum Motion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Company Logo                                                                       |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Address                | 9 Sterling Way, London, N7 9HJ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| President              | James Palles-Dimmock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                    |
| Website                | quantummotion.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                    |
| E-mail                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                    |
| Telephone              | 0208 146 2500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                    |
| Fax                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                    |
| Exhibitor Introduction | Quantum Motion is building utility-scale quantum computers using industry-standard silicon transistors. The proprietary architecture uses a scalable array of qubits, manufactured with the same silicon technology found in smartphones and computers. The result is the most scalable, cost-efficient and energy-efficient quantum computers, which also fit inside existing industry standard data centres. The company operates offices and labs in the UK, Spain and Australia.                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                    |
| Exhibit Description    | Quantum Motion has built and delivered the industry’s first full-stack quantum computer to use mass-manufacturable, 300mm silicon CMOS wafer technology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                    |
| Exhibit Product        | <p>Quantum Motion has built and delivered the industry’s first full-stack quantum computer to use mass-manufacturable, 300mm silicon CMOS wafer technology.</p> <p><b>Quantum Processing Unit (QPU)</b></p> <ul style="list-style-type: none"><li>• Silicon quantum dot spin qubits</li><li>• CMOS-compatible architecture enabling dense qubit integration</li><li>• Scalable and tileable four qubit unit cell design optimised for fault-tolerant architectures</li></ul> <p><b>Full-Stack System Architecture</b></p> <ul style="list-style-type: none"><li>• Complete quantum computing system in data centre-ready form factor</li><li>• Standard 19" rack compatibility for easy deployment</li><li>• Comprehensive software stack for quantum algorithm development</li><li>• AI machine-learning tuning, enabling more efficient operation and automated algorithms for control and calibration</li></ul> |                                                                                    |

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## Manufacturing Advantage

- Built using standard 300mm wafer CMOS processes
- High volume and quality commercial process
- Low variability, high yield fabrication
- Enables large-scale, high throughput mass production