

FALLING WALLS FOUNDATION

WHICH ARE
THE NEXT
WALLS
TO FALL?

8 NOVEMBER

PROGRAMME

WILHELM AND ELSE HERAEUS SYMPOSIUM FOR BREAKTHROUGHS IN PHYSICAL SCIENCES

8 NOVEMBER

FALLING WALLS CIRCLE

Radialsystem, Holzmarktstraße 33, 10243 Berlin

07.00 am – 5.00 pm

REGISTRATION & ON-SITE TESTING

8.45 – 9.00 am
Studio A, 5. Fl.

WELCOME REMARKS

Moderation: Johanna Stachel, Katharina Kohse-Höinghaus

9.00 – 9.30 am
Studio A, 5. Fl.

TALK #1: THE SIGNIFICANCE OF A POLAR OPPOSITE FOR UNDERSTANDING EARTH'S CLIMATE

Johann Philipp Klages

9.30 – 10.10 am
Studio A, 5. Fl.

TALK #2: FROM NONLINEAR OPTICS TO HIGH-INTENSITY LASER PHYSICS

Donna Strickland

10.10 – 10.40 am
Studio A, 5. Fl.

TALK #3: UNDERSTANDING COVID-19 TRANSMISSION THROUGH AEROSOLS

Yafang Cheng

10.40 – 11.00 am
Studio A, 5. Fl.

COFFEE BREAK

11.00 – 11.30 am
Studio A, 5. Fl.

TALK #4: INTEGRATED ION-TRAP QUANTUM PROCESSORS

Christian Ospelkaus

11.30 – 12.00 am
Studio A, 5. Fl.

TALK #5: PROGRESS IN QUANTUM COMPUTING

Chao-Yang Lu

12.00 – 12.30 pm
Studio A, 5. Fl.

TALK #6: ANALOG QUANTUM SIMULATION: FROM PHYSICS TO CHEMISTRY

Juan Ignacio Cirac

12.30 – 1.00 pm
Studio A, 5. Fl.

PANEL DISCUSSION: BREAKTHROUGH SCIENCE – CURIOSITY VS. SOCIETAL IMPACT

Yafang Cheng, Skyler Degenkolb, Elham Fadaly, Johann Philipp Klages, Donna Strickland

1.00 – 2.00 pm

LUNCH BREAK

2.00 – 3.00 pm
Lecture Hall

PLENARY TABLE: BIG SCIENCE FOR THE FUTURE – REKINDLING TRANSATLANTIC PARTNERSHIPS

Eric Isaacs, Ottoline Leyser, Charlotte Warakaulle, Sibylle Günter

3.10 – 3.40 pm
Studio A, 5. Fl.

TALK #7: PROVING THAT THE STERN-GERLACH SPLITTING IS A COHERENT QUANTUM PROCESS

Ron Folman

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3.40 – 4.10 pm Studio A, 5. Fl.	TALK #8: NOVEL OPERANDO METHODS FOR FOLLOWING BATTERY FUNCTION AND FAILURE Clare Grey
4.10 – 4.30 pm Studio A, 5. Fl.	COFFEE BREAK
4.30 – 5.00 pm Studio A, 5. Fl.	TALK #9: BREAKING WALLS TO THE UNKNOWN: THE 18TH PARTICLE? Martin Fertl
5.00 – 5.30 pm Studio A, 5. Fl.	TALK #10: THE BREAKTHROUGH 2021: LIGHT EMISSION FROM HEXAGONAL SILICON GERMANIUM Erik Bakkers
5.30 – 6.00 pm Studio A, 5. Fl.	DISCUSSION & NETWORKING Johanna Stachel, Katharina Kohse-Höinghaus
6.00 pm	FALLING WALLS EVENING RECEPTION Various options will be communicated in due time

Please bring your personalised badge, your electronic or printed version of your barcode ticket as well as your ID including a proof of vaccination or recovery to all Falling Walls events.