

## **Session Program**

**26-30 Aug 2019**



## **Joint Annual Meeting of SPS and ÖPG 2019**

### ***Plenary Session***

Universität Zürich  
Winterthurerstr. 190, 8057 Zürich

# Tuesday 27 August

10:10

## Plenary Session

Session | Location: G 30

10:10-10:50

### **【1】 Artificial intelligence in materials science - hype or revolution?**

**Speaker**

Prof. Claudia Draxl

10:50-11:30

### **【2】 Understanding Giant Planets**

**Speaker**

Ravit Helled

11:30

# Wednesday 28 August

09:00

## Plenary Session

Session | Location: G 30

09:00–09:40 **[4] The Future of Computing**

**Speaker**

Dr Heike Riel

09:40–10:20 **[5] Galactic High-Energy Particle Accelerators**

**Speaker**

Prof. Olaf Reimer

10:20

11:50

## Plenary Session

Session | Location: G 30

11:50–12:20 **[6] The Einstein-Podolsky-Rosen paradox in a many-body system**

**Speaker**

Dr Matteo Fadel

12:20–12:50 **[7] Many-body localization, thermalization, and entanglement**

**Speaker**

Dr Maksym Serbyn

12:50

# Thursday 29 August

09:00

## Plenary Session

Session | Location: G 30

09:00–09:40

### **[8] Probing nanoscale magnetism using single spin magnetometry**

**Speaker**

Prof. Patrick Maletinsky

09:40–10:20

### **[9] Synthetic holography with spatial light modulators for biophotonics applications**

**Speaker**

Prof. Monika Ritsch-Martel

10:20

10:50

## Plenary Session

Session | Location: G 30

10:50–11:30

### **[10] First electron acceleration in AWAKE, the proton driven plasma wakefield acceleration experiment**

**Speaker**

Dr Edda Gschwendtner

11:30–12:00

### **[11] A brief history of polariton quantum fluids**

**Speaker**

Prof. Benoît Deveaud

12:00

# Friday 30 August

09:00

## Plenary Session

Session | Location: G 30

09:00–09:40

**[13] Compound semiconductor nanowires for next generation solar cells and quantum technologies**

**Speaker**

Prof. Anna Fontcuberta i Morral

09:40–10:20

**[14] Economic Materials Design for Clean Energy**

**Speaker**

Prof. Greta R. Patzke

10:20