October 23\textsuperscript{rd}, 1:30 pm - 5:30 pm

1:30  Registration

2:00  Lectures honoring the Wilhelm Exner Medalists 2018
      Thomas Jennewein and Gregor Weihs

- **Thomas Jennewein, University of Waterloo, Canada**
  "Photonic Quantum Entanglement for Technologies and Applications: Towards the Quantum Internet"

- **Gregor Weihs, University of Innsbruck**
  "Semiconductor nanostructures producing single photons, twins and triplets for quantum photonics"

3:15 - 3:45 Coffee break

- **Hannes Hübel, AIT Austrian Institute of Technology, Vienna**
  "From local realism into a global quantum age"

- **Gerhard Kirchmair, University of Innsbruck**
  "Quantum Information Processing with Superconducting Circuits"

- **Philip Walther, University of Vienna**
  "From quantum foundations to quantum computing"

5:00  Closing Remarks

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Find the lectures abstracts and register here: [www.wilhelmexner.org/2018lectures](http://www.wilhelmexner.org/2018lectures)
October 24th, 8:30 am - 1:00 pm

8:30  Registration

9:00  Lecture honoring the Wilhelm Exner Medalist 2018
      Zhenan Bao

      Zhenan Bao, Stanford University, USA
      “Skin-Inspired Electronics”

      Barbara Stadlober, Joanneum Research, Graz
      “Ferroelectric Polymers for Sensitive Object Surfaces”

      Rainer Hainberger, AIT Austrian Institute of Technology, Vienna
      “Biosensing technologies for medical diagnostics at the point of care”

10:30 Coffee break

11:00 Lecture honoring the Wilhelm Exner Medalist 2018
      A. Paul Alivisatos

      A. Paul Alivisatos, University of California, Berkeley, USA
      “Quantum Dot Light Emitters: From displays to enabling a new generation of energy conversion systems”

      Maria Ibañez, Institute of Science and Technology Austria, Klosterneuburg
      “Rational Design of Thermoelectric Materials from Nanocrystal Building Blocks”

      Jürgen Fleig, University of Technology, Vienna
      “Energy conversion and energy storage by moving ions in solids”

12:30 Closing remarks

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