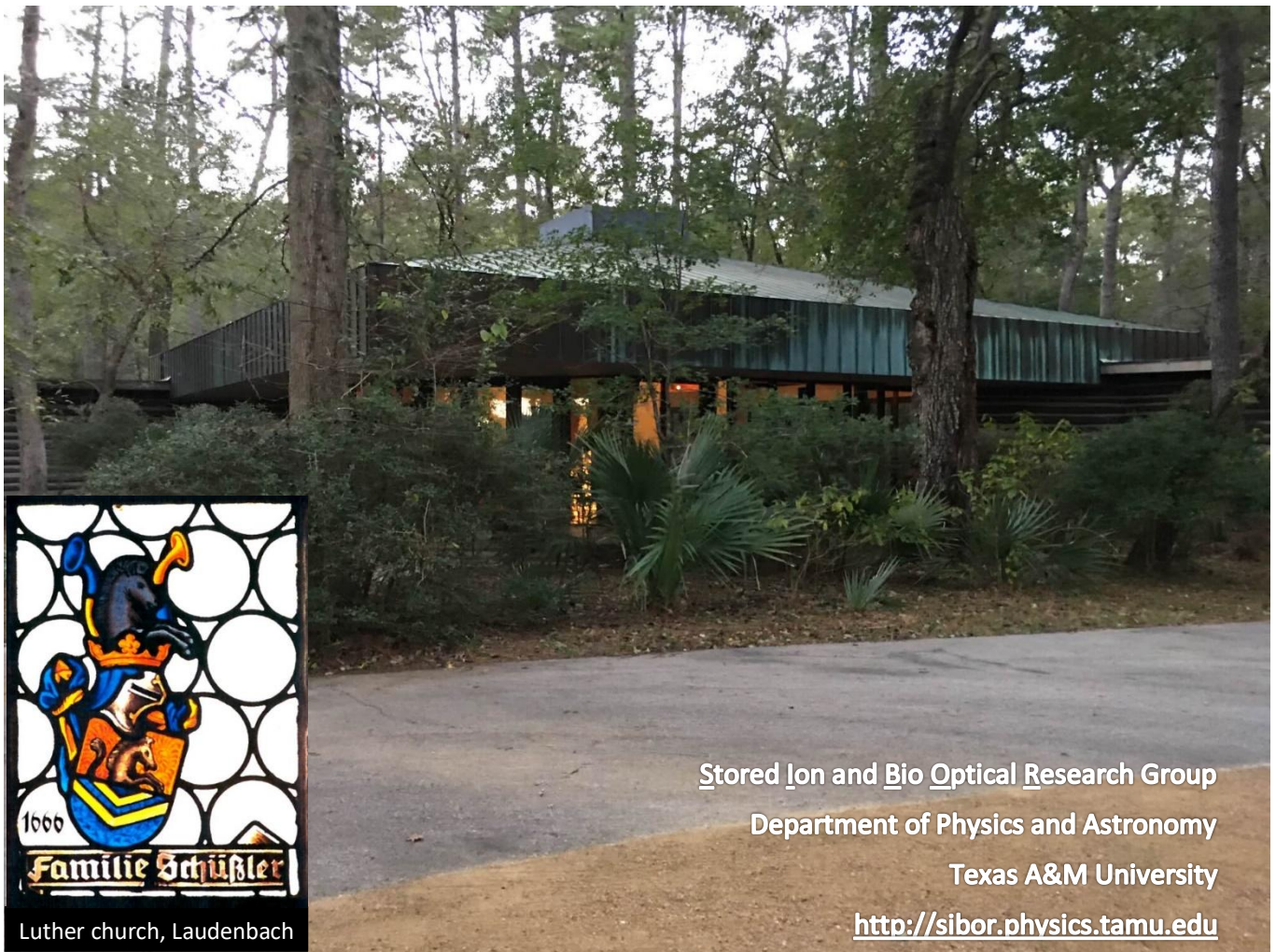


Cook's Branch Conservancy

SIBOR – Workshop

Friday, November 7, 2025



Stored Ion and Bio Optical Research Group
Department of Physics and Astronomy
Texas A&M University
<http://sibor.physics.tamu.edu>



November 7, 2025

The Department of Physics and Astronomy
of Texas A&M University requests the
pleasure of your company in remembering
the career of Hans Schuessler at Cook's
Branch Conservancy
on Friday, November 7, 2025

* 7720 149N Montgomery, TX 77216 ([map](#))
[http://](#)

Remembering Hans



Continuing to learn from Hans



Program

9:00	Arrival
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9:20	Opening remarks by Zohreh Schuessler: Professor of Nursing, College of Nursing, Baylor University
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Session 1	Chair: Alexandre Kolomenski
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9:30	Thomas Udem: Professor, Max Planck Institute of Quantum Optics Title: <i>Hans Schuessler and the Helium Ion</i>
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10:00	Thomas Walther: Professor and Vice President, Technical University of Darmstadt Title: <i>Laser Spectroscopy at Storage Rings and Accelerator Facilities</i>
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10:30	Gerhard G. Paulus: Professor, Director of the Institute of Optics and Quantum Electronics, Friedrich-Schiller University Jena Title: <i>Born at TAMU: The phasemeter</i>
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10:45	Coffee Break
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Session 2	Chair: Alexei Sokolov
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10:55	Wolfgang Schleich: Chair, Institute for Quantum Physics, University of Ulm Title: <i>The Russian Problem and my encounters with Hans</i>
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11:25	Marlan Scully: Distinguished Professor, Department of Physics and Astronomy, Texas A&M University Title: <i>On the Ellipsoid Paradox in Thermodynamics</i>
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11:45	Alexandre Kolomenski: Research Professor, Department of Physics and Astronomy, Texas A&M University Title: <i>Multiple facets of laser spectroscopy</i>
12:05	Group Photo
12:10	Lunch
Session 3	Chair: Carlos Rodriguez
13:00	Dmitri Lapotko: D.Sc., Ph.D., CEO and Founder, Scorpido Photonics Inc., San Pedro, CA Title: <i>Our Intercontinental Friendship with Hans Schuessler: From Rome to Catalina Island</i>
13:15	Student short presentations; posters and flash talks
13:45	Aart Verhoef: Assistant Professor, Department of Soil and Crop Sciences /Department of Physics and Astronomy, Texas A&M University Title: <i>Application of Frequency Comb and Bessel Beam to Agriculture using Optical Coherence Tomography</i>
14:05	Peter McIntyre: Professor Emeritus, Department of Physics and Astronomy, Texas A&M University Title: <i>New Superconducting Technologies for Energy and Biomedicine</i>
14:25	Olga Kocharovskaya: Distinguished Professor, Department of Physics and Astronomy, Texas A&M University Title: <i>Toward nuclear metrology and nuclear clock</i>
14:45	Alexei Sokolov: Distinguished Professor, Department of Physics and Astronomy, Texas A&M University Title: <i>Quantum and Nonlinear-Optics Tools for Biophotonics</i>
15:05	Coffee Break

Session 4 **Chair: Aart Verhoef**

15:20 **Aleksei Zheltikov:** Distinguished Professor, Department of Physics and Astronomy, Texas A&M University
Title: *The meaning of half-life: nuclear decay and quantum dynamics*

15:40 **Premkumar Saganti:** Regent's Professor, Department of Physics, Prairie View A&M University
Title: *Past Space Radiation Payloads and Future Schüessler Suggested Moon Shine Explorations: Prairie View A&M University*

16:00 **Vitaly Kocharovsky:** Professor, Department of Physics and Astronomy, Texas A&M University
Title: *The nature of quantum supremacy*

16:20 **Vladislav Yakovlev:** Professor, Department of Biomedical Engineering /Department of Physics and Astronomy, Texas A&M University
Title: *Ultra-sensitive optical spectroscopy*

16:40 **Lifan Wang:** Professor, Department of Physics and Astronomy, Texas A&M University
Title: *Tomography of Supernovae and the Expansion of the Universe with the HBT Effect*

17:00 **Light dinner and farewells**

18:00 **Departure**

Zoom meeting information:

Meeting ID: 936 1046 7288

Passcode: 052650

Directions to Cook's Branch Conservancy:

Scan the following QR code to receive Google Map directions:

Address: 7720 149N Montgomery, TX 77316

Coordinates: 30°17'13.0"N, 95°39'42.3"W

Please contact Carlos or Megan if difficulties are encountered during travel to the Conservancy: +1 956-407-7387, +1 936-380-5542

