

William F. Meggers Award 2023

The Journal *Applied Spectroscopy* and the *Society for Applied Spectroscopy* presented the William F. Meggers Award 2023 to Johannes Pedarnig, Nikolaos Giannakaris, Anna Haider, Christoph M. Ahamer, Stefan Grünberger, and Stefan Trautner for their outstanding contribution to *Applied Spectroscopy* in 2022

Femtosecond Single-Pulse and Orthogonal Double-Pulse Laser-Induced Breakdown Spectroscopy (LIBS): Femtogram Mass Detection and Chemical Imaging with Micrometer Spatial Resolution

Volume 76, Issue 8 pages 926–936.

In this paper the authors showed that tiny samples of only few femtogram mass can be produced by femtosecond laser ablation and detected by optical emission spectroscopy of the laser-induced plasma. Furthermore, they demonstrated that the intensity of atomic and ionic emission lines is increased by double-femtosecond-pulse excitation of plasma.

This Award was presented at the FACSS/SCIX 2023 conference in Sparks, Nevada (USA) in October 2023. The research was part of the FFG funded K project PSSP conducted at the JKU Institute of Applied Physics (A.Univ.-Prof. Dr. Johannes D. Pedarnig) in co-operation with the industrial project partners voestalpine Stahl GmbH and Lenzing AG. The consortium leader of the FFG PSSP project was Recendt GmbH, Linz.

William M. Meggers Award



Applied Spectroscopy
and The

Society for **A**ppplied **S**pectroscopy

are pleased to recognize the
outstanding contribution to


Applied Spectroscopy in 2022 by

**Johannes Pedarnig, Nikolaos Giannakaris, Anna
Haider, Christoph M. Ahamer, Stefan Grünberger,
and Stefan Trautner**

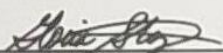
for

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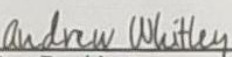
October 2023




President



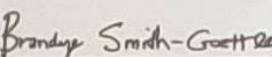
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