

Congratulations to the winners of the WITec PaperAward 2013

Three research groups received the WITec PaperAward in gold, silver, and bronze.

WITec appoints the winners of the PaperAward 2013: Research groups from France, Germany, and Spain are among the winners. For WITec PaperAward 2013, 54 publications, published between January and December 2012, were submitted to this year's competition. Due to the number of high-quality papers, the PaperAward jury decided to recognize three winning papers in gold, silver, and bronze.

The PaperAward 2013 in gold goes to Dr. Léo Greusard from the team of Dr. Yannick De Wilde at Institut Langevin, CNRS & ESPCI ParisTech, and to Dr. Daniele Costantini from the team of Dr. Raffaele Colombelli at the Institut d'Electronique Fondamentale et CNRS & University Paris Sud. They successfully collaborated with researchers from Institut des Nanotechnologies de Lyon and the Joint lab of 'Alcatel-Lucent Bell Laboratories France' and published in NANO letters "D. Costantini et al., *In Situ Generation of Surface Plasmon Polaritons Using a Near-Infrared Laser Diode*". This scientific work convinced the jury by describing a novel application for scanning near-field optical microscopy (SNOM), which opens new opportunities in semiconductor research.

The silver WITec PaperAward winners are researchers from the Institute of Photonic Technology in Jena, Germany. Dr. Christian Matthäus and Prof. Dr. Jürgen Popp demonstrated, together with colleagues from Friedrich Schiller University in Jena and the Catholic Clinics in Koblenz, in the paper "Matthäus et al., *Noninvasive Imaging of intracellular Lipid Metabolism in Macrophages by Raman Microscopy in Combination with Stable Isotopic Labeling*", published in Analytical Chemistry, how Raman spectroscopy can be successfully used to image cellular processes. The jury honored Dr. Matthäus and colleagues for their scientific work in this very auspicious new field for Raman spectroscopy.

The WITec PaperAward in bronze goes to the research group of Prof. Dr. José F. Fernández from the Electroceramic Department, Instituto de Cerámica y Vidrio in Madrid, Spain. Prof. Fernández and colleagues published in the *Journal of Materials Chemistry* in collaboration with researchers at Universidad Nacional Autónoma de México, the paper "Rubio-Marcos et al., *High spatial resolution structure of (K,Na)NbO₃ lead-free ferroelectric domains*". The jury chose their scientific work for the award because it shows the combination of Raman spectroscopy and Atomic Force Microscopy (AFM) as a powerful tool to investigate ferroelectric domains.

Every year scientists from all over the world are invited to submit their publications to the WITec PaperAward competition. Once a year, a jury of WITec scientists chooses the WITec PaperAward winner. Criteria to be selected by the jury are for example the impact of scientific results and the innovation of the applied techniques.

Images: downloads and annotations

Dr. Léo Greusard (left) from Institut Langevin, ESPCI ParisTech, France, receives the WITec PaperAward Certificate in gold and a 500 Euro Amazon gift card from the WITec sales representative Nicolas Tcherbak (right).

<http://www.witec.de/assets/Uploads/Documents/News/2013/WITecPaperAwardGOLDGreusard2013.jpg>

Dr. Christian Matthäus (left) visits WITec headquarters in Ulm, Germany, for the PaperAward Ceremony. Harald Fischer (right), WITec Marketing Director, hands over the PaperAward Certificate in silver and a 300 Euro Amazon gift card to him.

<http://www.witec.de/assets/Uploads/Documents/News/2013/WITecPaperAwardSILVERMatthaeus2013.jpg>

Prof. Dr. José F. Fernández (left) and Dr. Adolfo Del Campo (right) receive the PaperAward Certificate in bronze and a 200 Euro Amazon gift card.

<http://www.witec.de/assets/Uploads/Documents/News/2013/WITecPaperAwardBRONZEFernandez2013.jpg>

WITec PaperAward 2013 winning publications:

Costantini, D., Greusard, L., Bousseksou, A., Rungsawang, R., Zhang, T. P., Callard, S., Decobert, J., et al. (2012). In situ generation of surface plasmon polaritons using a near-infrared laser diode. *Nano Letters*, 12(9), 4693–7. doi:10.1021/nl302040e

Matthaeus, C., Krafft, C., Dietzek, B., Brehm, B. R., Lorkowski, S., & Popp, J. (2012). Noninvasive imaging of intracellular lipid metabolism in macrophages by Raman microscopy in combination with stable isotopic labeling. *Analytical Chemistry*, 84(20), 8549–56. doi:10.1021/ac3012347

Rubio-Marcos, F., Del Campo, A., López-Juárez, R., Romero, J. J., & Fernández, J. F. (2012). High spatial resolution structure of (K,Na)NbO₃ lead-free ferroelectric domains. *Journal of Materials Chemistry*, 22(1), 9714–9720. doi:10.1039/c2jm30483j

Contact:

Dr. Sonja Breuninger
Technical Marketing & PR
Sonja.Breuninger@witec.de

WITec GmbH
Lise-Meitner-Str. 6
89081 Ulm
Germany

phone: +49 (0) 731 140 70-0
fax: +49 (0) 731 140 70-200
<http://www.witec.de>
info@witec.de