

**17<sup>th</sup> AUGUST 2016****XXV. International Conference on Raman Spectroscopy // ICORS**  
Fortaleza, Brazil // "Fábrica de Negócios" Conference Center, Praia Centro Hotel

## DIAGNOSIS, MONITORING AND THERAPY

### New Approaches and Governance Mechanisms for Science and Technology Cooperation

German-Brazilian Workshop on Photonic Health Technologies

Photonic technologies have demonstrated in recent years their enormous potential to provide **sustainable solutions to pressing problems in health care e.g. the field of infectious disease diagnostics, cancer treatment etc.** Providing adequate health care for the world population requires enormous efforts. These challenges can best be met through breakthroughs in and by deployment of **Biophotonic technologies**, yielding new cost-effective methods for improved diagnosis and therapy.

Brazil and Germany have a long and successful track record of bilateral cooperation, particularly in the field of Science and Technology. The "Action plan of the German-Brazilian Strategic Partnership" highlights the Science and Technology Cooperation (STC) as an important pillar of the relationship between the countries. It is time to take a step ahead in this process and **strengthen the cooperation in innovation**. Identifying the opportunities and challenges for investing and funding innovation in EU and Brazil is the starting point of that step.

It is therefore our great pleasure to invite you to a joint workshop along **ICORS 2016**, providing a dedicated platform for knowledge and experience sharing in photonic research and development for global health care.

This high level discussion will gather several key research and innovation organizations from Brazil and Germany and is organized in the context of the launching of "**phoSaúde – German-Brazilian cooperation on photonic health technologies**".

German House for Research and Innovation – São Paulo  
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Land of Ideas

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PHOTONIC  
TECHNOLOGY  
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## SPECIAL FEATURES OF THE WORKSHOP

- To utilize latest advancements in science and technology to augment treatment and diagnostic capabilities in health care
- To identify complementary research strengths and facilitate the use of synergies in future research projects
- To exchange ideas and expertise internationally, with the objective of exploring the possibility of more substantial future collaboration
- To offer networking opportunities and to promote global mobility of researchers as key for understanding of foreign science culture
- Identifying opportunities for funding innovation in EU and Brazil

The workshop is mainly addressed to **scientists, health tech manufacturers and designers, academic and non-academic hospitals, clinical engineers, regulatory institutions and decision makers**, but is open to anyone interested in photonic systems for life sciences applications.

**Participation is free of charge for participants of the ICORS2016.** Please select the German-Brazilian workshop on "Photonic Health Technologies" from the event list.

External guests could buy a day pass for 75 Euro. In order to do so, please create a user account on <https://www.conftool.com/icors2016/register.php>. By registering as participant you can select the "Single Day Ticket" for German – Brazilian Workshop on "Photonic Health Technologies" within the Participant Status Information list.

## PRELIMINARY PROGRAM

**WEDNESDAY, 17<sup>th</sup> AUGUST 2016**

<b>14:00 – 14:05</b>	Welcome note of the Brazilian representative <b>Dr. Airton A. Martin</b> // Laboratório de Espectroscopia Vibracional Biomédica – LEVB, Universidade do Vale do Paraíba – UNIVAP
<b>14:05 – 14:10</b>	Welcome note of the German representative <b>Prof. Jürgen Popp</b> // Scientific Director of Leibniz Institute of Photonic Technology, Jena
<b>14:10 – 14:15</b>	Welcome note of the German House of Science and Innovation, São Paulo (DWIH-SP) <b>Mr. Marcio Weichert</b> // German House of Science and Innovation, São Paulo (DWIH-SP)
<b>14:15 – 14:30</b>	On-Site Photonic Detection of Infections <b>Prof. Jürgen Popp</b> // Scientific Director of Leibniz Institute of Photonic Technology, Jena
<b>14:30 – 14:45</b>	Title: Will be announced soon <b>Prof. Airton A. Martin</b> // Universidade do Vale do Paraíba
<b>14:45 – 15:00</b>	Surface-enhanced Raman scattering for biodiagnostics <b>Prof. Janina Kneipp</b> // Humboldt University of Berlin
<b>15:00 – 15:15</b>	Raman spectroscopy for Oral pathology – From ex vivo, in vitro and in vivo analysis – 10 years of evolution <b>Dr. Luis Felipe das Chagas e Silva de Carvalho</b> // Universidade Estadual Paulista "Júlio de Mesquita Filho", São Paulo
<b>15:15 – 15:30</b>	Differential cancer diagnostics by label-free FTIR imaging of tissue <b>Prof. Klaus Gerwert</b> // Ruhr University Bochum
<b>15:30 – 15:45</b>	Title: Will be announced soon <b>Dr. Bernd Sumpf</b> // Ferdinand-Braun-Institut, Berlin
<b>15:45 – 16:15</b>	Outreach to public and industry
<b>16:15 – 16:45</b>	Innovation Horizons for the European Union and Brazil – Opportunities for Research Funding <b>Gabi Hamm</b> // Leibniz Institute of Photonic Technology, <b>Maxi Neidhardt</b> // German Research Foundation, Office Latin America
<b>16:45 – 17:30</b>	Discussion round – Joint Project Application
<b>17:30 – 18:30</b>	Poster Session + Networking Drinks

### Symposium Chairs:

**Prof. Dr. Jürgen Popp** // Leibniz Institute of Photonic Technology, Jena, Germany and Institute of Physical Chemistry & Abbe Center of Photonics Friedrich-Schiller University Jena, Germany, **Prof. Dr. Airton Martin** // University of Vale do Paraíba, Brazil