SPIE. PHOTONICS WEST BIOS

The Moscone Center
San Francisco, California, United States
2 - 7 February 2019

Photonics in Dermatology and Plastic Surgery 2019

Saturday - Sunday 2 - 3 February 2019

This conference is no longer accepting submissions.
Late submissions may be considered subject to chair approval. For more information, please contact Annie Gerstl.

Important Dates

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Abstract Due:
25 July 2018

Author Notification:
1 October 2018

Manuscript Due Date:
11 January 2019

Conference Committee

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Conference Chairs

Bernard Choi, Beckman Laser Institute and Medical Clinic (United States)
Haishan Zeng, The BC Cancer Agency Research Ctr. (Canada)

Program Committee

Anthony J. Durkin, Beckman Laser Institute and Medical Clinic (United States)
Conor L. Evans, Wellman Ctr. for Photomedicine (United States)
Manu Jain, Memorial Sloan-Kettering Cancer Ctr. (United States)
Kristen M. Kelly, Univ. of California, Irvine School of Medicine (United States)
Boris Majaron, Jožef Stefan Institute (Slovenia)
Milind Rajadhyaksha, Memorial Sloan-Kettering Cancer Ctr. (United States)

Program Committee continued...

Jessica C. Ramella-Roman, Florida International Univ. (United States)
Lise Lyngsnes Randeberg, Norwegian Univ. of Science and Technology (Norway)
Rolf B. Saager, Beckman Laser Institute and Medical Clinic (United States)
InSeok Seo, Johnson & Johnson Consumer Products (United States)
Eric R. Tkaczyk, Vanderbilt Univ. Medical Ctr. (United States)
Hequn Wang, Johnson & Johnson Consumer Products (United States)
Ruikang K. Wang, Univ. of Washington (United States)

Call for Papers

The research and development of highly selective lasers has transformed the clinical practice of dermatology and plastic surgery by allowing vascular lesions, pigmented lesions, tattoos, and hair to be removed without scarring. These important examples of selective photothermal injury continue to be refined and extended. The potential for laser or non-laser applications in skin diagnosis, imaging, and treatment for burns and other conditions such as psoriasis, acne, and vitiligo far exceeds their present use.

A detailed understanding of skin optics, photothermal, photoacoustic, and photobiological processes is emerging. Innovative schemes for delivery and control of laser irradiation, including robotics, can potentially improve therapy. Optical spectroscopy, microscopy, and imaging techniques hold significant promises in skin lesion diagnosis and skin therapy monitoring, and submissions in these areas are especially welcome.

New laser therapeutics, including burn treatment, fractional laser technology, wound healing, drug delivery and photodynamic therapy of inflammatory skin conditions and cancer, will also be topics of interest for this session. Laser/tissue interaction, therapeutics, and diagnostics relating to light and skin, as well as competing technologies in the same scope, are also invited.

Contributions from all medical, dental, and veterinary specialties, military-related applications, and basic sciences contributions are encouraged. Presentations that focus on translational research in dermatology and plastic surgery are also welcomed.