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Vol. 14 No. 3

# ***Ophthalmic Technologies XXIII***

**Fabrice Manns**  
**Per G. Söderberg**  
**Arthur Ho**  
*Editors*

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- Pascal Rol Award  
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**Fabrice Manns**, University of Miami (United States)

## Introduction

The papers contained in this volume were presented at the 23rd conference on Ophthalmic Technologies, held from February 2–3, 2013, at the Moscone Center in San Francisco, California, as a part of the SPIE Photonics West BiOS Meeting.

A total of 50 papers and 30 posters were presented by scientists, clinicians, and engineers from academia, private clinics, and industry representing many different countries covering five different continents. Topics included advances in retinal vasculature and blood flow imaging, new applications of optical coherence tomography for ocular biometry, and advances in adaptive optics.

The 13th Pascal Rol Award was presented to Dr. Yossi Mandel and his colleagues from Stanford University, California, for their excellent paper on "In-vivo performance of photovoltaic subretinal prosthesis" [8567-08]. Established in memory of Dr. Pascal O. Rol, former chair and co-founder of the Ophthalmic Technologies conference, the award is in recognition of the best manuscript and presentation. The outstanding finalists, selected by the entire program committee among the 83 abstract submissions, were Drs. Lei [8567-50] and Palanker [8567-09].

This year, the award was conferred by Dr. William Telfair. We are particularly grateful to Dr. Telfair, who announced his retirement from the program committee after many years of loyal service to the conference, starting from the very first meetings in the early 1990s. His contribution to ophthalmic technologies, and particularly to this conference, has been immeasurable. We wish him the best.

The conference hosted its eighth presentation on the topic of the unmet needs and impact of technology in a clinical area. Professor Jean-Marie Parel, from the Bascom Palmer Eye Institute at the University of Miami, a pioneer in the development of ophthalmic instruments and devices, and the founding Chair of the Ophthalmic Technologies Conference gave an insightful account of more than forty years of experience in the development of ophthalmic technology for clinical use.

We are very grateful to the Brien Holden Vision Institute in Sydney, Australia, for sponsoring the 2013 Pascal Rol award and keynote lecture through the Pascal Rol Foundation.

We thank the Program Committee members, session chairs, speakers and participants, as well as the SPIE staff for their support and dedication in making this conference a success.

We extend an invitation for the Ophthalmic Technologies XXIV conference, which is scheduled for Saturday and Sunday, February 1–2, 2014 in San Francisco, California.

**Fabrice Manns**  
**Arthur Ho**  
**Per G. Söderberg**

13th Pascal Rol Award for Excellence in Ophthalmic Technologies  
Supported by the Brien Holden Vision Institute  
through the Pascal Rol Foundation

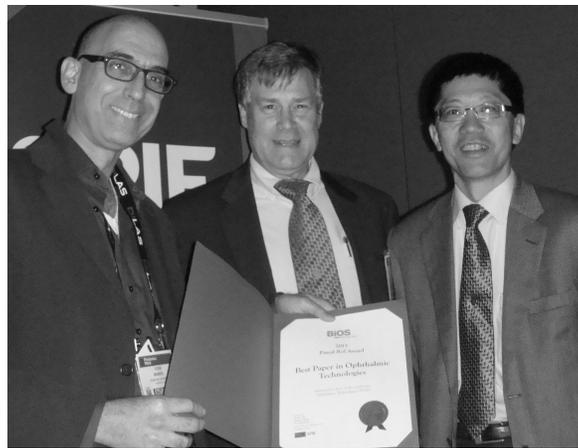


Presented on February 3, 2013 to

**Yossi Mandel**

for his excellent paper on

**"In-vivo performance of photovoltaic subretinal prosthesis"**



William Telfair (center) and Arthur Ho (right) present the 2013 Pascal Rol Award to Yossi Mandel (left).

**Past awardees**

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**The 2013 Pascal Rol Lecture on Ophthalmic Technologies  
Saturday February 3, 2013**



**Professor Jean-Marie Parel, Ing ETS-G, PhD,**  
Ophthalmic Biophysics Center  
Bascom Palmer Eye Institute, University College of Miami, FL

***How biophysics and bioengineering changed patient care at  
Bascom Palmer Eye Institute and elsewhere***

*The Pascal Rol Lecture on Ophthalmic Technologies" is presented by a leading researcher in ophthalmology with a strong interest and pioneering research contributions to the field of ophthalmic technologies. This invited lecture is intended to trigger further development of ophthalmic technologies by stimulating discussions between basic scientists, engineers, and clinicians.*

*The 2013 lecture was supported by the Brien Holden Vision Institute through the Pascal Rol Foundation ([www.pascalrolfoundation.org](http://www.pascalrolfoundation.org))*



**Brien Holden Vision Institute**