



**NONLINEAR
OPTICS** | INTERNATIONAL
CONFERENCE
EAST-WEST REUNION

Suzdal Russia



September 21-23, 2011

The Optical Society & 50 Years of Nonlinear Optics



Donna Strickland
OSA 2011 Vice President
September 2011

Overview



Founded in 1916, the mission of OSA has remained consistent:

“To promote the generation, application, archiving and worldwide dissemination of knowledge in optics and photonics.”



Key OSA Activities

Publications	Conventions & Meetings	Membership
Peer-reviewed Journals	Topical Meetings	Individual & Corp Membership
Optics InfoBase	Optics & Photonics Congresses	Student Chapters & Local Sections
<i>Optics & Photonics News</i>	Conferences	Awards & Honors

Technical Areas

6 Technical Divisions

41 Groups

Bio-Medical Optics



6 Groups

Fabrication, Design & Instrumentation



8 Groups

Information Acquisition, Processing & Display



5 Groups

Optical Interaction Science



11 Groups

Photonics and Opto-Electronics



7 Groups

Vision and Color Division



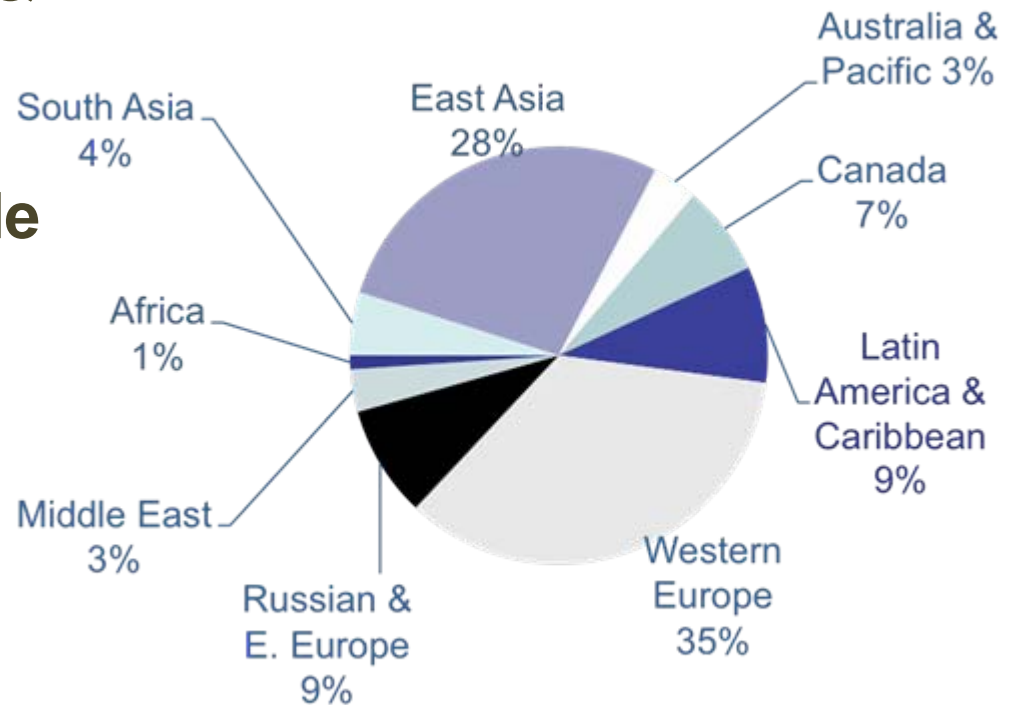
4 Groups



About OSA Members...

- 17K members
- 53% based in the U.S.
- 9% reside in Russia & E. Europe
- Top countries outside the U.S.
 - Japan
 - United Kingdom
 - Canada
 - Germany
 - China









OSA Members reside in more than 95 countries



OSA & NLO

16 of the 36 most recent OSA Presidents have worked in or studied NLO

2009	Tom Baer	
2007	Joe Eberly	
2006	Eric Van Stryland	
2004	Peter Knight	
2002	Anthony Johnson	
2001	Richard Powell	
2000	Erich Ippen	
1999	Anthony Seigman	

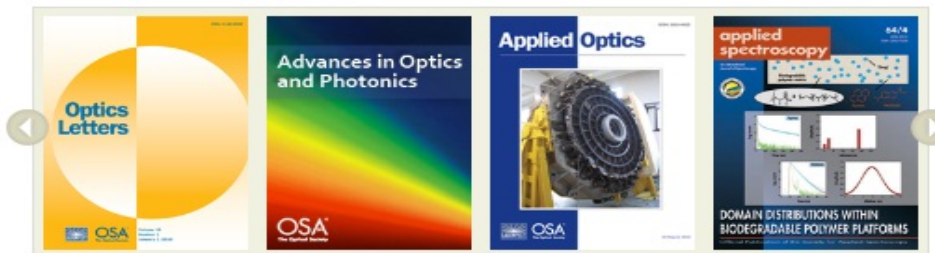
1998	Gary Bjorklund	
1995	Robert Byer	
1993	Elsa Garmire	
1990	Richard Abrams	
1989	Herwig Kogelnik	
1977	Peter Franken	
1976	Boris Stoicheff	
1975	Arthur Schawlow	



OSA Publications & NLO

- **2nd most cited OSA journal article 2000 – 2010**
Visible continuum generation in air-silica microstructure optical fibers with anomalous dispersion at 800 nm, Ranka JK; Windeler RS; Stentz AJ, *Optics Letters*, 25 (1) 25 -27 (Jan 1 2000)
- Approximately 25 % of OSA journal papers involves nonlinear optics

PUBLICATIONS





OPN coverage of NLO pioneers

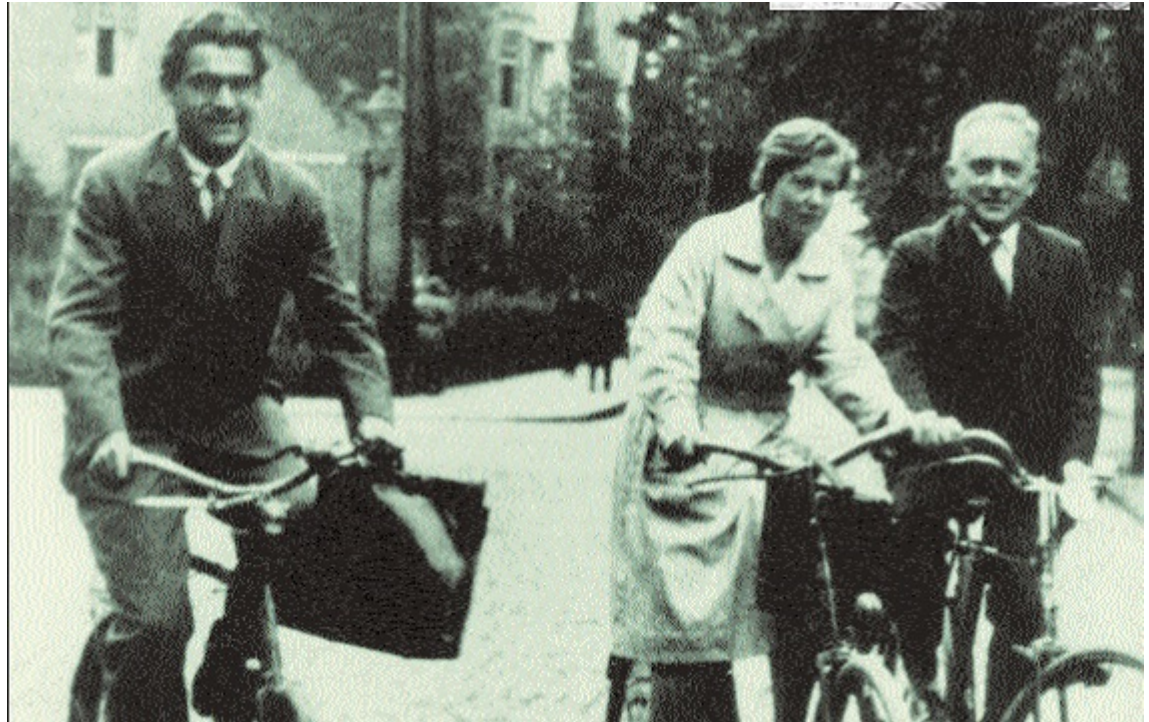


Sergei Akhmanov and Rem Khokhlov ,1970 Lenin Prize



OPN coverage of NLO pioneers

Maria Göppert-Mayer

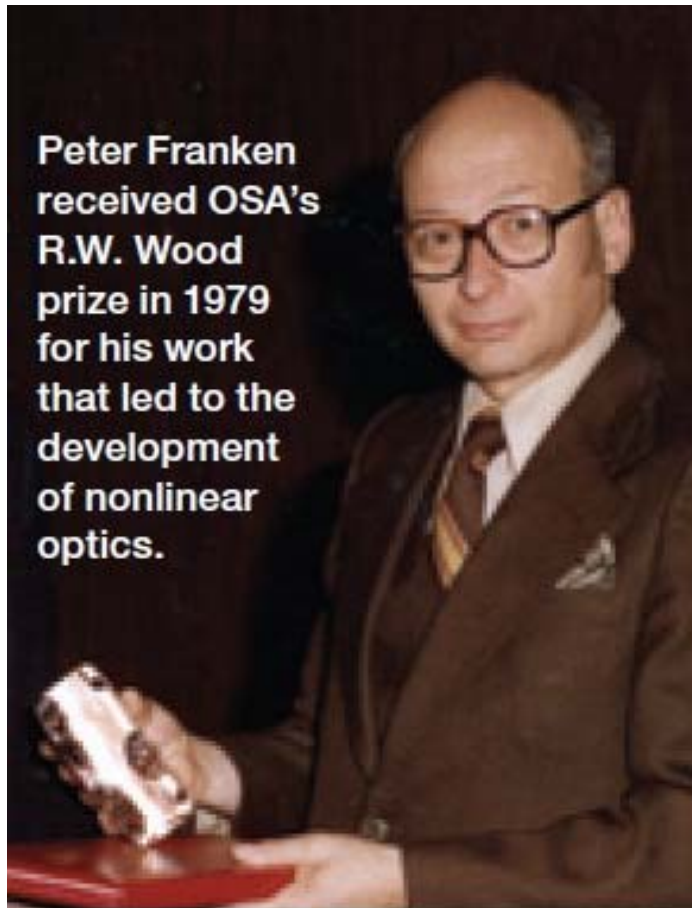


: Victor Frederick Weisskopf

Max Born

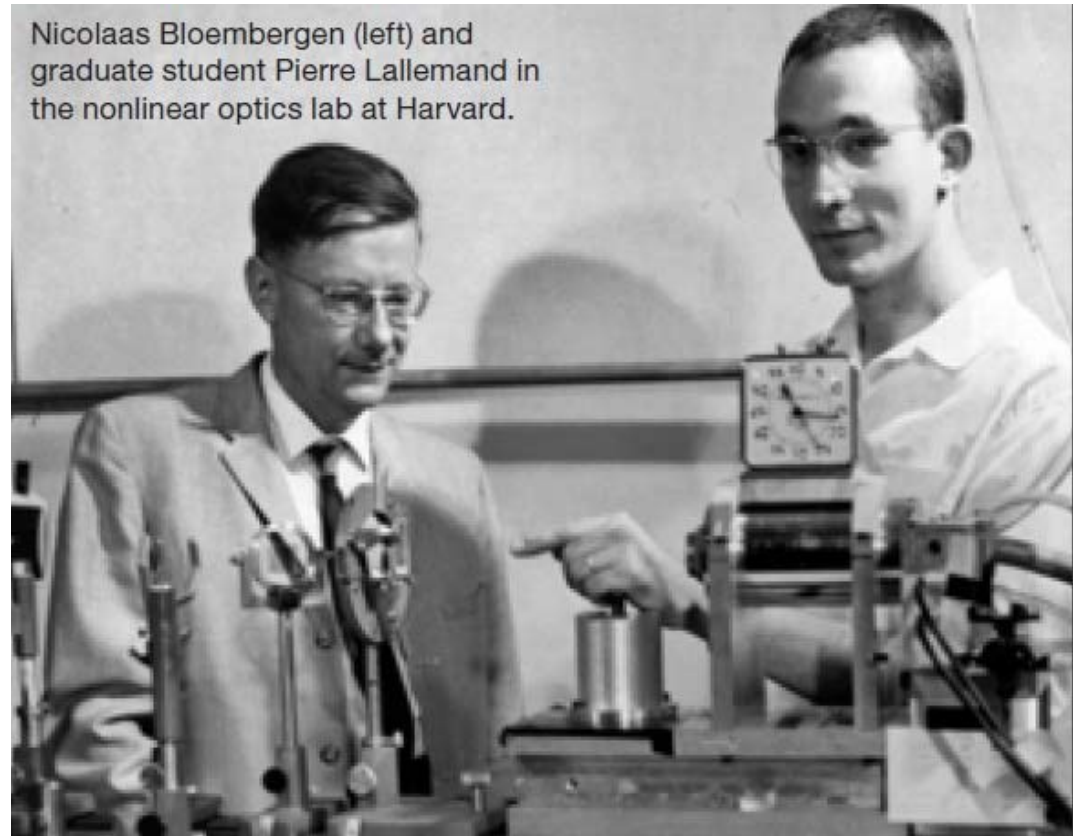
OPN covers NLO pioneers

Peter Franken



Peter Franken received OSA's R.W. Wood prize in 1979 for his work that led to the development of nonlinear optics.

Nicolaas Bloembergen



Nicolaas Bloembergen (left) and graduate student Pierre Lallemand in the nonlinear optics lab at Harvard.



OSA's NLO Meeting & 50th Anniversary, Kauai July 2011



OSA's 2011 NLO Meeting Kauai, Hawaii





OSA

спасибо!

Donna Strickland
OSA 2011 Vice President

Thanks to:

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