



# **SPIE.** **STUDENT CHAPTER** **OREL STATE UNIVERSITY**

*Elena Zharkikh*

*Vice-President of the "Orel State University Chapter",  
Master student of Orel State University named after I.S. Turgenev*

**CROPS, 2017**

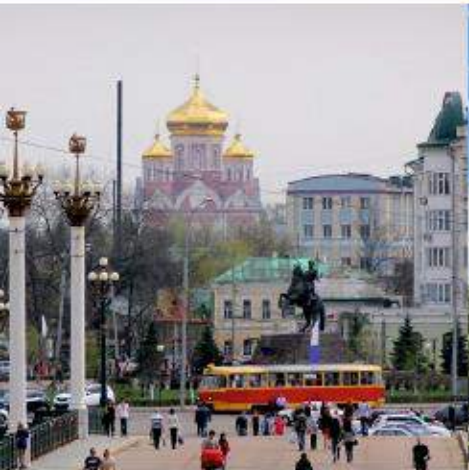
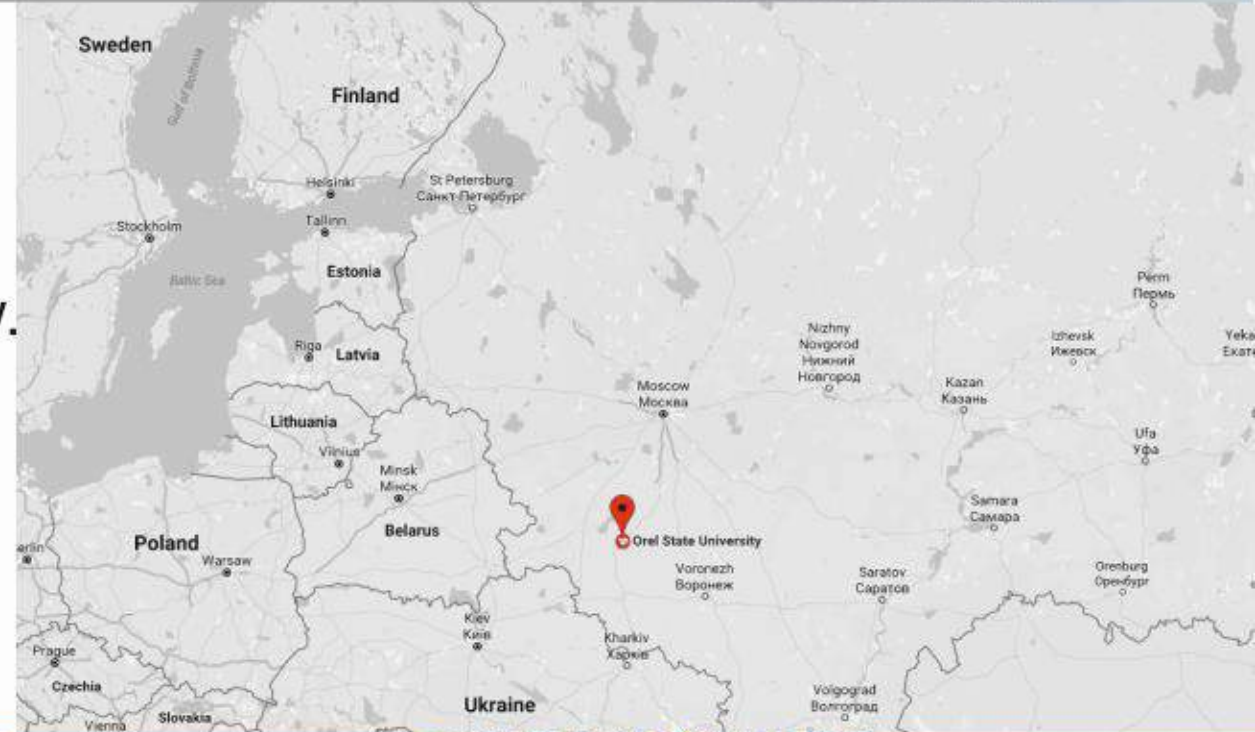




Orel city is situated in the south of the central European region of Russia, 382 km from Moscow.

It was founded in 1566.

The population of Orel is about 400 000

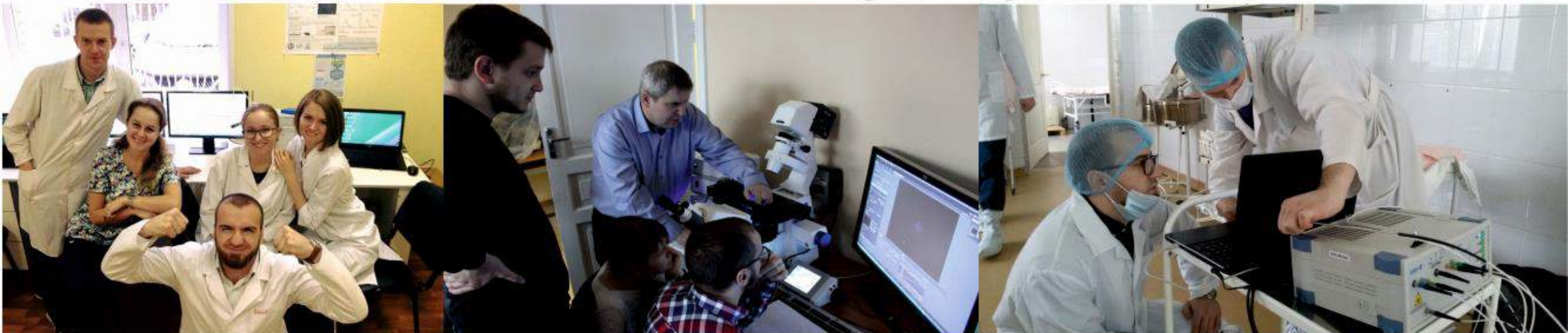




Orel State University (founded in 1931) has more than 100 areas of training specialists, more than 20,000 students.



The University began training of specialists in biomedical engineering in 1999, the scientific-educational centre “Biomedical Engineering” was founded in 2010.







**February 3, 2017,**

Student Chapter of the International Society for Optics and Photonics SPIE was established in the Research and Development center of Biomedical Photonics (previous name Scientific-Educational center “Biomedical Engineering”).



**Dr Andrey Dunaev**

CHAPTER ADVISOR

head of the Research and Development center  
of Biomedical Photonics





## 2017 Chapter Officers



**President**

**Stelmashchuk  
Olga**



**Vice President**

**Zharkikh  
Elena**



**Treasurer**

**Kandurova  
Ksenia**



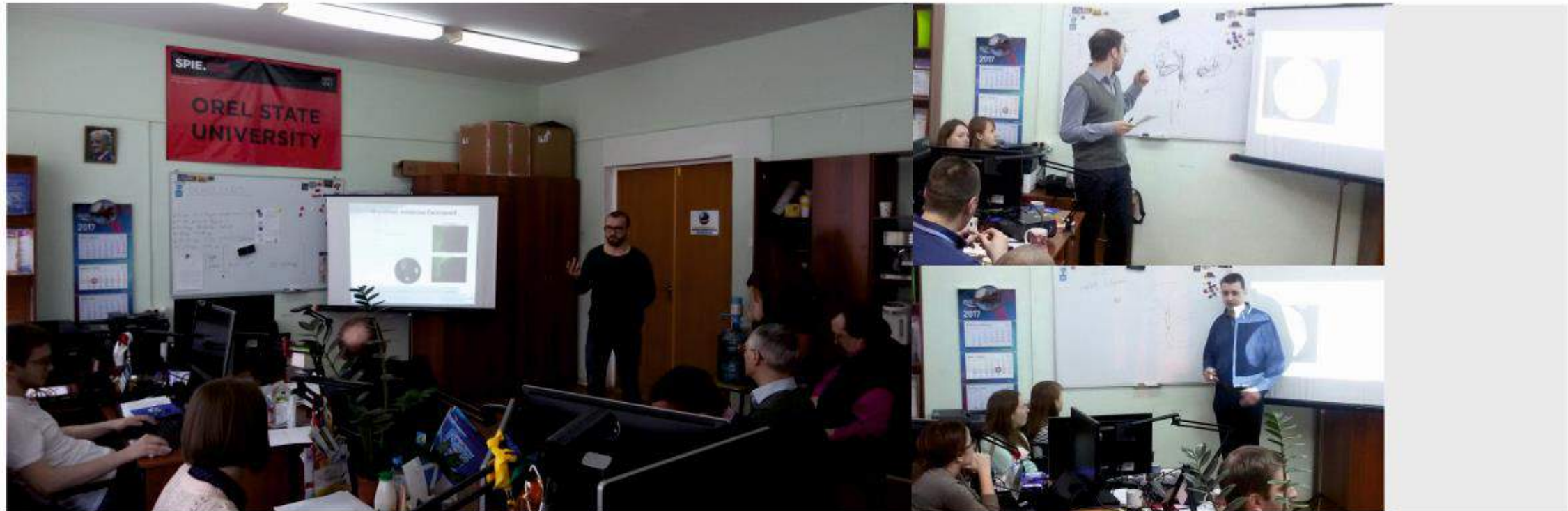
**Secretary**

**Seryogina  
Evgeniya**



20 March 2017

# Scientific seminar on application of photonics methods to minimally invasive surgery practice







# 16 April 2017

## Scientific barbecue party





17 April 2017

Lecture of the invited scientist **from** University of Oulu (Finland), Professor Igor Meglinski





18 May 2017

# Seminar on the application of optical methods in biotechnology and pharmaceuticals







**09 July 2017**

**Scientific barbecue party #2**





**11 October 2017**

Lecture of the invited scientist Prof Igor Meglinski  
(Oulu, Finland) for master students





**04 November 2017**

Participation in the festival “Science 0+” with educational program for kids and pupils





# Winners

## 2017 Optics and Photonics Education Scholarship



**Makovik  
Irina**



**Stelmashchuk  
Olga**



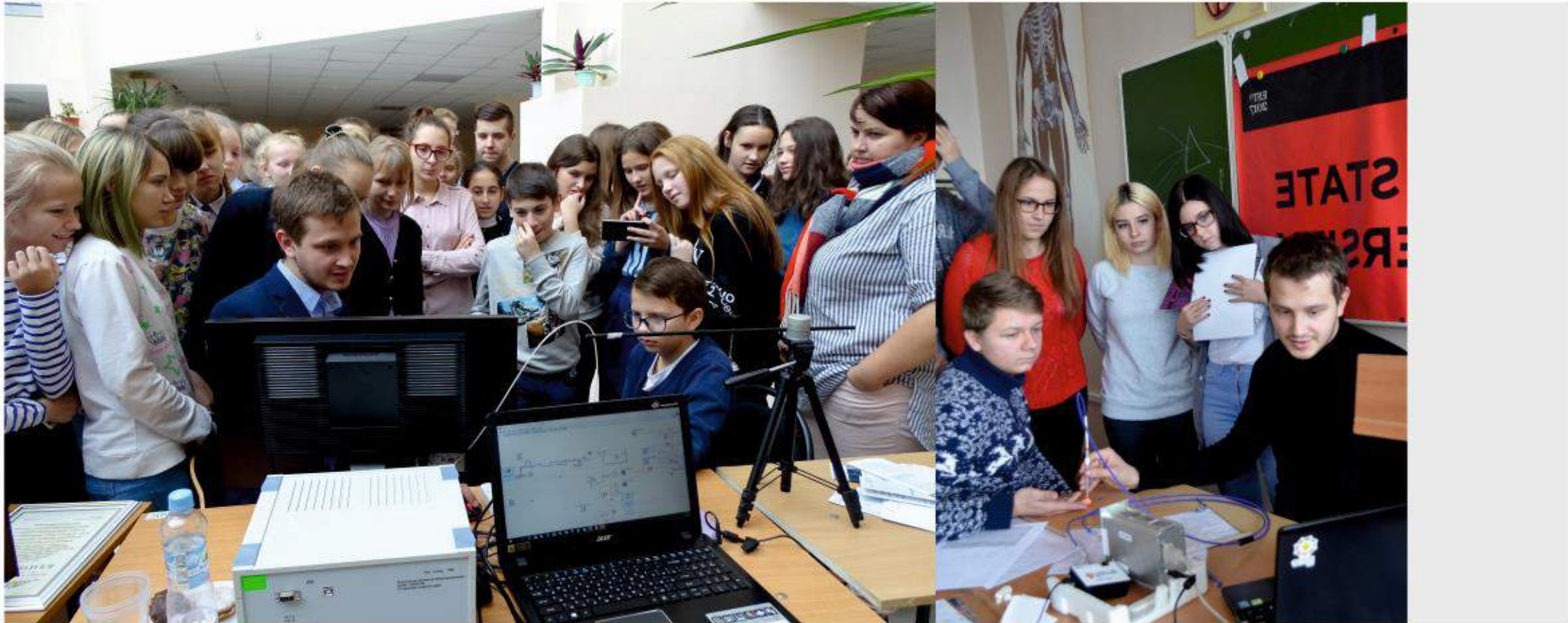
**Kozlov  
Igor**



**Zharkikh  
Elena**



# SPIE Educational Outreach Grant





# SPIE Photonics West 2017

## San Francisco, California, United States





# Summer School on Optics & Photonics 2017

## Oulu, Finland





# IV Summer School «Photonics Meets Biology» 2017

## Tarragona, Spain





# Saratov Fall Meeting 2017

## Saratov, Russia







# Thank you for your attention!

## Contact information:

**ELENA ZHARKIKH**



Vice-President of the "Orel State University Chapter",  
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**Phone:** +7 953 474 06 86

**URL:** [www.bmecenter.ru/en](http://www.bmecenter.ru/en)

**E-mail:** [ev.zharkikh@gmail.com](mailto:ev.zharkikh@gmail.com)



**RESEARCH AND DEVELOPMENT CENTER  
BIOMEDICAL PHOTONICS**