



MEETING Announcement



Tuesday, January 19th, 2016

Dr. Kyril M. Solntsev

**“Photochemical/Spectroscopic Studies
in Academia and Industry”**

Location:

**The Colonnade Restaurant
1879 Cheshire Bridge Road Northeast
Atlanta, GA 30324**

Directions: [Click Here](#)

Tuesday, January 19th, 2016

6:00 pm Meet and mingle (cash bar)

6:30 pm Dinner

7:30 pm Speaker

**Menu: Plated dinner. Select one dinner and one
dessert option per person.**

Entrees:

- Option 1: Two fried chicken breasts, broccoli, macaroni & cheese
- Option 2: One fried chicken breast, one fried chicken leg, broccoli, macaroni & cheese
- Option 3: Roasted pork loin with celery dressing and gravy, broccoli, macaroni & cheese
- Option 4: Vegetarian (broccoli, macaroni & cheese, sweet potato soufflé, and baby lima beans)

Desserts:

- Option 1: Strawberry shortcake
- Option 2: Hot fudge cake

**Bread, iced tea, water and coffee are included

RSVP by 5:00 pm on 15 January 2016
at <https://goo.gl/NFWWCy>

Price:

\$30 regular; \$20 retired current ACS members and K-12 teachers, \$15 students

Payment: At the door

Cash, credit card, or
check to: “Georgia Section ACS”

Note: If you make a reservation and then do not attend, you will be charged for the meal as we have to guarantee the number of meals.



Dr. Kyril M. Solntsev

**Senior Staff Scientist at OLIS, Inc.
Senior Research Scientist
at Georgia Tech**

Kyril Solntsev received his Ph.D. at Moscow State University working with Michael Kuz'min on excited-state proton transfer in various microheterogeneous systems. After a joint postdoctoral stint in Israel with Noam Agmon and Dan Huppert in the field of photoinduced processes in novel photoacids, Kyril moved to Georgia Tech. He was first a postdoctoral fellow with Laren Tolbert, then a research scientist and, finally, an independent PI at the School of Chemistry and Biochemistry. He has coauthored more than 80 papers in the areas of photochemistry, spectroscopy, chemical kinetics, fluorescent probes, and function and design of fluorescent proteins. Dr. Solntsev supervised, trained and coordinated the work of numerous high-schoolers, graduate and undergraduate students, as well as US



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and international collaborators on more than 20 research projects. Kyril organized 3 international scientific conferences and served as Guest Editor of 2 special issues of scientific journals. In September 2015 Kyril joined OLIS, Inc., an instrumental company in Bogart (Athens), GA as a senior staff scientist. OLIS is a very science-oriented company, and Kyril actively continues research in various aspects of modern spectroscopy and photochemistry.

“Photochemical/Spectroscopic Studies in Academia and Industry”

Abstract: In my talk I will overview the main research directions in my labs at Georgia Tech and OLIS. My interests and expertise are at the interface of chemistry and biology, particularly in the use of fluorescence probes which report on that interface. Four major interconnecting directions of my research combine fundamental aspects of photoinduced proton transfer, design of shape- and environment-sensitive synthetic chromophores, design and utilization of fluorescent proteins, and supramolecular photochemistry. The first part of my talk will be devoted to the most fascinating achievements from Georgia Tech in the past decade. The second part of my talk is dedicated to the scientific research in business environment. The research at OLIS involves the development and utilization

of various state of the art optical spectrometers. This privately-held American company continues to serve the biophysical, biochemical, and bioenergetics fields with absorbance, fluorescence, and circular dichroism spectroscopy for sophisticated research and routine measurements. Our newest product line – the CLARiTY series – has eliminated the previously insurmountable barrier to accurate absorbance spectroscopy of live, whole, particulate, aggregated, turbid samples. Few sample cases will be discussed.

Dr. Solntsev's website at GaTech:
<http://ww2.chemistry.gatech.edu/solntsev/>

OLIS website: <http://olisweb.com/>
