

## CIOp-UNLP Student Chapter. Annual Report. December 2013

This report presents the chapter's activities from December 2012, to December 2013. Some of them were held at Centro de Investigaciones Ópticas (CIOp), while others took place at Ciudad Universitaria, UBA (Buenos Aires City).

### 1. Officers Information

- President: Damian Gulich ([dgulich@ciop.unlp.edu.ar](mailto:dgulich@ciop.unlp.edu.ar)) ID# 3006242
- Vice-President: David Muñetón Arboleda ([davidmuar@gmail.com](mailto:davidmuar@gmail.com))
- Secretary: Angelica Mesa Yandy ([angelicam@ciop.unlp.edu.ar](mailto:angelicam@ciop.unlp.edu.ar))

### 2. List of current CIOp-UNLP Student Chapter members

- Demian Biasetti
- Luisa Cabezas
- Pablo Costanzo-Caso
- Andres Escobar Mejía
- Patricio Fluxa
- Sebastian Gajate
- Damián Gulich
- Luis Mendoza Herrera
- Angelica Mesa Yandy
- David Muñetón Arboleda
- Enrique Gustavo Neyra

### Alumni

- Dafne Amaya
- Jesica Santillán
- Fabian Videla

### 3. Detailed Chapter activities

- Helped in the organization and attended the National Optics Students Meeting (EEOF2013, <http://eeof-topfot-2013.blogspot.com.ar/>) hosted by the UBA chapter in Buenos Aires City (Ciudad Universitaria, 20th-21st May-2013). This year's topic was Plasmonics and Nano-Optics. Invited speakers were Dr. Stefan Maier from the Imperial College of London, Dr. Rajesh Menon (SPIE UBA Chapter invited Lecturer), Fernando Stefani from UBA and Andrea Bragas from UBA. Members from our chapter (and others from Argentina) attended this meeting and stayed for the National Optics Meeting (TOPFOT) 22nd-23rd May. Over 80 students and 60 senior scientists attended the joint Annual Optics Meeting.
- Chapter President Damián Gulich attended to the Student Chapter Leadership Workshop (August 24-29, 2013) at San Diego Convention Center, San Diego, California, USA. During this event, chapter officers from Argentina, Colombia, Brazil and México continued discussions about a future Latin-American Optics and Photophysics Student Workshop.
- Seminar: "Implementación de la técnica de Z-Scan para la medición del índice de refracción no lineal y el coeficiente de absorción de dos fotones en sistemas físicos nanoestructurados" (Oct. 17, 2013) by MSc. Juan Humberto Serna, Instituto de Física, Grupo de óptica y Fotónica, Universidad de Antioquia, Medellín-Colombia. Physics Department, Southern Illinois University, Edwardsville-USA.
- Seminar: "Experiments with Self-organizing azopolymer material" (Nov. 4, 2013) by Dr. Régis Barillé, 6200, PRES UNAM, University of Angers, Moltech Anjou, CNRS UMR, 2, bd Lavoisier, 49045 Angers, (France).
- Seminar: "Speckle dinámico en semillas de utilidad agroalimentaria en Venezuela" (Nov. 21, 2013) by Lic. Ingrid Inciarte, IVIC Instituto Venezolano de Investigaciones Científicas, Mérida, Venezuela.
- Seminar: "New frontiers in nanoplasmonics: Hybrid nanophotonic cavities, nonlinear and quantum nanophotonics, and highly efficient light harvesting" (Dec. 9 2013) by Dr. Stefan Maier, Imperial College London, UK.
- Fellowship dinner (Nov. 29, 2013) the CIOp-UNLP Chapter held its annual fellowship dinner. It was a chance to relax, review achievements of 2013 and start planning events for 2014.
- Organized and attended the symposium "Pinzas ópticas y aplicaciones" ("Optical tweezers and applications") (Dec. 10, 2013). Invited speakers were Dr. Arturo Plata

Gomez - Universidad Industria 1 de Santander, Bucaramanga. Colombia, Dra. Dafne Cecilia Amaya - Universidad Nacional de La Plata, La Plata, Dra. Natalia Wilke - Universidad Nacional de Córdoba, Córdoba.

- Organized and attended the symposium "Primera Jornada de Óptica Atmosférica" ("First Meeting of Atmospheric Optics") (Dec. 17, 2013). Invited speakers were Dr. Mario Garavaglia, Lic. Gustavo Funes, Dr. Luciano Zunino and Lic. Damián Gulich (CIOP-UNLP SPIE Student Chapter President), all from Universidad Nacional de La Plata, La Plata, Argentina.
- Internet presence: Permanent update of the Chapter's website (<http://www.ciop-unlp.blogspot.com/>). Created a twitter account for news and updates (@JofaCIOPUNLP) and a Facebook profile (<https://www.facebook.com/jofa.ciop>).

#### 4. Details of planned activities for the future

- Help in the organization and collaboration for the TOPFOT 2014 (National Workshop in Optics and Photophysics) and the EEOF (School for Students of Optics and Photophysics), to be realized in 2014, in Campana City, Buenos Aires, Argentina.
- Meetings and CIOP-UNLP SPIE Chapter membership drives.
- Organization of a short Symposium about the Visiting Lecturer's topic.
- Maintaining of Chapter Website.
- Printed information and publicity.
- Rural area school outreach: traveling workshop about solar power and solar cooking.
- Local and guest Lecturers at CIOP and UNLP, Physics Department, Exact Sciences Faculty and Engineering Faculty.

#### 5. Financial information

<i>Description</i>	USD
Activity grant SPIE 2012	<b>700.00</b>
<b>Beginning Balance (USD 700)</b>	
EEOF 2013 assistance to UBA Chapter	-350.00
Chapter's end of year social meeting	-60.00
Lectures at CIOP: café, snacks and printed information	-140.00
<b>END BALANCE</b>	<b>150.00</b>

## 6. Pictures of some of the activities

### 6.1 EEOF 2013



Dr. Fernando Stefani, First Speaker, lecturing at EEOF 2013.



Dr. Rajesh Menon, SPIE UBA Student Chapter invited Speaker, lecturing at EEOF 2013.



Some Students and Invited Speakers at EEOF 2013, Buenos Aires, Argentina.



Martín Caldarola from Organizing UBA Chapter with Patricio Fluxa (CIOP-UNLP Chapter) and CIOP-UNLP Chapter President Damián Gulich at the opening of the Annual Meeting EEOF 2013.



## 6.2 Attendance to Optics and Photonics 2013 in San Diego



Group picture.



CIOP-UNLP SPIE Chapter President Damían Gulich presenting the Chapter's poster.



CIOP-UNLP SPIE Chapter President Damían Gulich with chapter representatives from Buenos Aires, Argentina, USA, Mexico, Brazil, Colombia, etc.

### 6.3 Seminars held at CIOp



Left to right: CIOp Director Dr. Jorge Tocho with Lic. Gustavo Funes, CIOp-UNLP Chapter President Damián Gulich, visiting lecturer Dr. Régis Barillé, and Dr. Luciano Zunino.



Lecturers of the "First Meeting of Atmospheric Optics". Left to right: Lic. Gustavo Funes, Dr. Luciano Zunino, Lic. Damián Gulich (CIOp-UNLP SPIE Student Chapter President) and Dr. Mario Garavaglia.

## 6.4 Social dinner



Fellowship dinner. The CIOp-UNLP Chapter held its annual fellowship dinner. It was a chance to relax, review achievements of 2013 and start planning events for 2014.

**Damián Gulich**

CIOp-UNLP SPIE Student Chapter President

La Plata, Argentina  
December 18, 2013