

# ANNUAL REPORT

Universidad Autónoma de Nuevo León

2015

**SPIE.** **STUDENT  
CHAPTER**

UNIVERSIDAD  
AUTÓNOMA DE  
NUEVO LEÓN

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## Introduction

The SPIE Student Chapter at the Autonomous University of Nuevo León (Universidad Autónoma de Nuevo León) was founded in January 25th, 2008. Located in the northeast of México, the Autonomous University of Nuevo León has a complete offer of education in the area of physics, having optics and photonics as a fundamental part of their research areas.

Our purposes are:

- The diffusion of the optics and photonics inside and outside of our University.
- Establish communication with industries related to optics science.
- Help into the professional development of the student involved in optics field.

Elected officers 2015

	Name	Position	SPIE ID	E-mail
	José Valentín Guzmán González	President	3578069	v.g.93@hotmail.com
	Roberto Alejandro Álvarez Aguirre	Vice-president	3641476	yahooke@hotmail.com
	Rosa María Estrada Martínez	Treasurer	3625507	rmem_27@hotmail.com
	Luis Rafael Cárdenas Ortiz	Secretary	3452919	luisrafael.cardenas@gmail.com
	Perla Marlene Viera-González	ICYL2015 Activities Coordinator (June 2014 – February 2016)	03401971	marlene.viera.gzz@gmail.com

## Chapter Activities

### Elections Day

**DATE:** January 5th, 2015

**PARTICIPANTS:** 10 members and authority of FCFM

During this activity, the first activity of the year, we carried out the change of the Officers. After that, we discussed and planned the most important activities of the year.



“Semana de la Luz”

DATE: January 9 to 13

PARTICIPANTS: 500 persons

The year 2015 was declared by the General Assembly of the UN as the International Year of Light and Light-based Technologies. For this reason, the Student Chapter, supported by the Faculty of Mathematical Physics (FCFM) of the UANL, the OSA student Chapter, the SPIE, and “Física pato2” divulgation group, celebrated the Week of Light from January 9 to 13 to start a series of activities that took place during the year.



**SEMANA DE LA LUZ**  
**DEL 9 AL 13 DE FEBRERO**

**PROGRAMA**

<p><b>LUNES</b></p> <ul style="list-style-type: none"> <li>• <b>INAUGURACIÓN</b> – 09:30 hrs. Auditorio “Dr. Eladio Sáenz Quiroga”</li> </ul> <p><b>MARTES</b></p> <ul style="list-style-type: none"> <li>• <b>TALLERES Y CONFERENCIAS</b> Auditorio “Dr. Eladio Sáenz Quiroga”</li> </ul> <p><b>MIÉRCOLES</b></p> <ul style="list-style-type: none"> <li>• <b>RETAS DE KHET</b> Explanada de FCFM</li> </ul> <p><b>JUEVES</b></p> <ul style="list-style-type: none"> <li>• <b>TALLERES Y CONFERENCIAS</b> Auditorio “Dr. Eladio Sáenz Quiroga”</li> <li>• <b>ACTIVACIÓN DE LA MÁQUINA DE GOLDBERG</b> 19:00 hrs. - Plaza Cultural “Ing. Rafael Serna Treviño”</li> </ul>	<p><b>VIERNES</b></p> <ul style="list-style-type: none"> <li>• <b>COFFEE SCIENCE Mx UANL</b> <b>DR. ROMEO SELVAS AGUILAR</b> Explanada de FCFM – 11:00 hrs.</li> <li>• <b>CLAUSURA</b> – 16:30 hrs. Auditorio “Dr. Eladio Sáenz Quiroga”</li> </ul> <p><b>ACTIVIDADES CIENTÍFICO CULTURALES</b> – 18:00 hrs. <b>Evento abierto a todo público sin costo</b></p> <p><b>LUNES – VIERNES</b></p> <ul style="list-style-type: none"> <li>• <b>EXHIBICIÓN FOTOGRÁFICA ‘LUZ: MÁS ALLÁ DE LA BOMBILLA’</b> Explanada de FCFM</li> </ul>
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Programa completo en: <http://fisicopato2.fcfm.uanl.mx/index.php/oil2015/semana-de-la-luz>



## Inauguration

**DATE:** 9:30 a.m., January 9, 2015

**PARTICIPANTS:** 100 persons

The presidium was integrated by M.T. Rogelio Juvenal Sepúlveda Guerrero, principal of the Faculty; Dr. Romeo de Jesús Selvas Aguilar, Deputy Director of Graduate Studies; M.C. Perla Marlene Viera González and M.C. Guillermo Ezequiel Sánchez Guerrero, coordinators of student activities for the International Year of Light. Among the attendees were also deputy directors, coordinators, students and professors, who were attentive and very interested in knowing the details of this event.



Workshops and Conferences  
*DATE:* January 10 & 12, 2015  
*PARTICIPANTS:* 200 persons





### Khet Tournament

**DATE:** January 11, 2015

**PARTICIPANTS:** 50 persons. Players and spectators

We organized a Khet Tournament in which players had a chance to prove their strategy and win some prizes. At the same time, other students joined to the event learning how to play KHET and enjoyed the games of the competitors.



### Goldberg Machine

**DATE:** January 12, 2015

**PARTICIPANTS:** over 300 spectators



The video is on YouTube <https://www.youtube.com/watch?v=2cRwFE9Oc-o>

Coffee science

*DATE:* January 13, 2015

*PARTICIPANTS:* 30 students and teachers

Attending PhD. Romeo Selvas Aguilar, Deputy Director of Graduate Studies and Head of the Optics department at FCFM, also advisor of the UANL Student Chapter.

Photo Exposition “Luz más allá de la bombilla”

*DATE:* January 9 to 13, 2015

Light beyond the bulb. A cultural exposition commemorating light on different sights, along the conferences and other events.



## Symposium of Applied Optics, Sustainability and Energy– SOASE 2015

*DATE:* April 22 to 24, 2015

*Participants:* 250 students and teachers from the community of the UANL, of the Universidad Autónoma de Coahuila (UAC), Centro de Investigaciones en Óptica( CIO), Universidad Autónoma de Zacatecas (UAZ), Instituto Tecnológico y de Estudios Superiores Monterrey (ITESM), Centro de Investigación en Energía (CIE) and Universidad Autónoma de Ciudad Juárez (UACJ), also public in general.

The SOASE 2015 was held in the facilities of the Universidad Autónoma de Nuevo León. The event consisted of 8 invited talks on optics and photonics, 5 invited talks on energy and sustainability, 2 invited talks on career and business planning, a student poster session, khet games, SPIE/OSA student chapter networking events, an IONS organizing committee meeting, as well as a lunch with the experts and finally with a social cultural events.

We had a 3 days conference given by: 1 researcher from Universidad Politécnica de Valencia, 2 researchers from Instituto Nacional de Astrofísica, Óptica y Electrónica, 1 form The College of Optics and Photonics CREOL, 1 form Universidad Autónoma de Zacatecas, 1 researcher form Universidad Politécnica de Madrid, 2 form Centro de investigaciones en óptica (CIO), 2 from UNAM, 1 from the SPIE, 1 from ENERGESIS and 4 researchers from UANL. Beside we realized cultural and recreational activities to form bonds between institutions attendees.







Ending Balance

FINANCIAL REPORT. INFORMACION PENDIENTE

During this year we receive the support from the Physic and Math School (FCFM) of the Autonomous University of Nuevo León and from the SPIE Activity Grant.

Activity	Description	Source	Amount	Balance
<b>Beginning balance</b>	Last year remaining		\$ 45.00	\$ 45.00
	Grant		\$8,000	\$8045.00
	Recluiting new members event		-\$3,000	\$5045.00
	SPIE lunch meeting		-\$800	\$4,245.00
	SPIE Activities Weeks		-\$3,000	\$1,245.00

Mexican peso is used in every monetary aspect of this balance

**ENDING BALANCE 2015 \$ 1,245.00 PESOS MEXICANOS**

All the expenses not reported here were supported with the help of the Facultad de Ciencias Físico Matemáticas, our advisor or the chapter members.