

**\*\*Deadline: 28 June 2003\*\***

**2002-03 Annual Report for:** \_\_\_\_\_ Benelux Chapter  
(Name of Chapter - please print)

**I. Basic Information:**

A. Reporting Chapter Chairman:

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B. Joint Chapter?  Yes  No  
If joint, please list names of other participating societies.

C. Number of area LEOS members as of approximately May 30 (contained in geographical information of the LEOS Membership Directory):

	<u>Number</u>	<u>Percent</u>
Previous Year	154	
Current Year	80 ??	
Change	-74 ??	

D. Total Number of Technical Meetings:

This Year:

Last Year: 5

E. Average Technical Meeting Attendance

	<u>This Year</u>		<u>Last Year</u>		<u>Number % Change</u>
	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	
Total:	<u>100</u>	<u>100</u>	<u>71</u>	<u>100</u>	<u>          </u>
IEEE:	<u>40</u>	<u>40</u>	<u>31</u>	<u>44</u>	<u>          </u>
LEOS:	<u>32</u>	<u>32</u>	<u>29</u>	<u>41</u>	<u>          </u>

F. Chapter funds at the beginning of the year: EURO 9159

G. Total Expenditures: EURO 2157                      Total Income: EURO 3403  
End of Year Balance: EURO 10405



	Activity Type (Tech Meeting, Workshop, etc) workshop	Title/Speaker or Workshop Name	Attendance			Joint Activity Sponsors
			LEOS	IEEE	Total	
1.		LEOS Workshop in conjunction with European Conference on Optical Communication 2nd European LEOS-Workshop on Photonic Start-ups (connected with ECOC 2002) Date: September 8, 2002 Location: Copenhagen, Denmark Chairman: Roel Baets	50	75	200	See below
2.	company visit	Company visit Twentse Kabel Fabriek (TKF) Date: October 10, 2002 Location: Haaksbergen, NL	3	3	4	
3.	symposium	Annual symposium of the IEEE-LEOS Benelux chapter (for details see below) Date: Monday, December 9, 2002 Location: Vrije Universiteit Amsterdam, The Netherlands Chairman: Taco Visser Topics: all LEOS topics Proceedings have been published	80	90	250	See below
4.	colloquium	COBRA/LEOS Colloquium, TU Eindhoven, Friday March 7, 2003 speaker: Dr. Thomas Rödle , MSI Device Technology, Business Line RF Modules, Philips Semiconductors RF System Solutions on Hybrid Modules	About 20	About 25	About 60	
5.	colloquium	COBRA/LEOS Colloquium, TU Eindhoven, Friday April 11, 2003 speaker: Rob Smets, Lucent Technologies, Bell Labs AT Bell Labs ACT EMEA: Novel Access and Core Optical-Networking	About 20	About 25	About 60	
6.	colloquium	COBRA/LEOS Colloquium, TU Eindhoven, Friday May 9, 2003 speaker: Prof. Elias Muñoz, Univ. Politécnica de Madrid, Ciudad Universitaria, Madrid, Spain UV photodetectors based on (In,Ga,Al)N	About 20	About 25	About 60	
6.	colloquium	COBRA/LEOS Colloquium, TU Eindhoven, Friday May 16, 2003 speaker: Prof. Jørn M. Hvam ,Research Center COM, Technical University of Denmark, Lyngby, Denmark Ultrafast processes in semiconductor waveguide devices	About 20	About 25	About 60	
7.	colloquium	COBRA/LEOS Colloquium, TU Eindhoven, Friday June 6, 2003 speaker: Dr. Wolfgang Stolz, Philips University Marburg, Germany Metastable (GaIn)(Nas)/GaAs-Heterostructures: Basics, Epitaxy and Applications	About 20	About 25	About 60	
8.	workshop	Annual workshop Date: June, 13 2003 Location: Mons, Belgium Topic: Low Cost Photonics Organization/chairman: Patrice Mégret, Faculté Polytechnique de Mons	25	30	45	See below
			258 32	323 40	799 100	
			Average <b>Technical Meeting</b> Attendance			

**V. Miscellaneous Information/Elaboration on any of the above entries.**

**Activities 2001 – 2002 IEEE-LEOS Benelux chapter**

<http://leosbenelux.org/>

**2nd European LEOS Workshop on Photonic Start-ups, held in conjunction with European Conference on Optical Communication 2002**

In conjunction with the European Conference on Optical Communication (ECOC 2002), a European LEOS workshop was held on photonic start-ups. The workshop took place on Sep. 8, 2002 at the Bella Center, Copenhagen, Denmark. It was organized by Prof. R. Baets (Ghent University, Belgium), Dr. E. Pennings (ThreeFive Photonics B.V., The Netherlands), Prof. M. Dawson (University of Strathclyde, Scotland), Dr. A. Nocivelli (Luceat, Italy) and Prof. G. Reali (University of Pavia, Italy). The workshop combined efforts from the Benelux, Scottish and Italian Chapters.

The objective of the workshop was to provide a usable insight in the process of creating a start-up company in the field of optical communications in the current economic climate. The workshop aimed to focus on the European context. A first talk was given by Dr. J.E. van der Linden, from the European Patent Office, on rights for intellectual property as being a major concern for photonic start-up. Four invited speakers then present the activities of their start-up companies and shared their hands-on experience on the major challenges they have encountered in building a start-up company : Dr. J. Marsh (Intense Photonics Ltd, UK), Dr. M. Kjaer (Crystal Fibre A/S, Denmark), Dr. W. Deelman (ThreeFive Photonics B.V., the Netherlands) and Dr. P. Evaldsson (Optillion AB, Sweden).

**Symposium 2002**

Already for the 7th time organized, the annual workshop has been a great success. It has developed as a meeting place for students and professionals active in the field of LEOS. The large number of papers presented (78) and their quality demonstrate the vitality of the Benelux chapter. The printed version of the proceedings are distributed among the participants, the electronic version is free accessible on the Benelux Chapter website.

Seventh Annual Symposium of the IEEE/LEOS Benelux Chapter

Meeting date: Dec. 9, 2002

Venue: Vrije Universiteit Amsterdam, The Netherlands

Admission charge: Yes

Meeting Category: Technical

Attendance: IEEE members: around 30% IEEE-LEOS, probably around 50% IEEE

Guests: 1 guest speaker

Total: over 250

Joint meeting with Student Branch: No

Did student members attend the meeting: Yes

Title of Paper: Optical interconnects to silicon chips

by invited speaker: Prof. Hugo Thienpont, Vrije Universiteit Brussel, Belgium

Proceedings available

Pres. Officers: Taco Visser

## **VII Best practice**

Large part of the vitality of our chapter is due to the active involvement of a large number of students (Ph.D. as well as master). They easily can become member when they attend the annual symposium, which is the major local event in the LEOS related field in the Benelux region. The last symposium showed an increase to more than 250 participants and about 80 contributions. Most of these contributions were presented by students. The edition of proceedings of all contributions gives an additional stimulus, as academic contributors are interested in opportunities for scientific output. This year annual symposium will for the first time combine the poster session with a Student Poster Contest, which will reward the best poster presented by a student as a first author. The Chapter also plans to further enhance interaction between IEEE/LEOS student members and IEEE student branches.

The board of the Benelux Chapter consists of a good mix of engineers and scientists from industry as well as academic institutions including two active student members. Over the 6 years of existence of the Chapter there is a continuous refreshing of board members sufficient slow to conserve experience and knowledge, but sufficiently rapid to avoid too much routine and to stimulate renewal.

A good experience has been the workshops in conjunction with ECOC on "Entrepreneurship in Photonics", that stimulated possible start-ups in the field of photonics. In 2003 it will be for the third time. In this way a tradition has been created that will continue to stimulate the set up of new companies in the field of LEOS.

The increasing involvement of our chapter board members in the LEOS Board of Governors (Djan Khoe and Roel Baets) helps to increase the interaction between local and worldwide LEOS activities. It also stimulates the local activities as the LEOS organization is not considered to be a far-away entity, but a global society rooted among others in the Benelux.

## Board of LEOS- Benelux 2003-2004

<http://leosbenelux.org/>

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