

Patrick Rombauts  
Emeritus  
Vriendenkring VUB  
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Pleinlaan 2  
1050  
Brussels  
Belgium  
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## Expertise

Design of outdoor lighting (residential and urban areas, motorways, tunnels, sports yards, city beautification) and indoor lighting (industry and safety applications, sports fields, visual ergonomics and daylighting). Visibility criteria in public lighting.

Building integrated daylight components. CAD of luminaires. Bidirectional photometry.

Evaluation of Research Projects Proposals

Authoring and Editing of technical committee documents within Technical Committees of the Division 4 and 5 of the CIE-Commission Internationale de l'Eclairage

Judicial Expertises in Lighting and Electrotechnics

CEN TC 169 Light and Lighting WG 6 Tunnel Lighting, Belgian BIV-IBE member since June 2008

IWT TETRA LAMPS Project (VUB-ETRO-K. Steenhaut & VUB-ETEC-P. Rombauts)

## Research output

### **Improved system and method for illumination and ventilation of an operating room**

Jacobs, V. A., Van Gaever, R., Hanselaer, P., Vanlanduit, S., Rombauts, P. & Diltoer, M., 1 Sep 2017, (Accepted/In press) *CIE2017 Midterm Meeting - conference proceedings*. p. 1-8

### **Analysis of errors associated with photometric distance in goniophotometry**

Jacobs, V. A., Blattner, P., Ohno, Y., Krueger, U., Hanselaer, P., Rombauts, P. & Schmidt, F., 1 Jul 2015, *28th CIE SESSION*. CIE Central Bureau Vienna-A, Vol. 1. p. 458-461 p. 51. (Proceedings of the 28th Session of the CIE, Manchester; vol. 1).

### **On spectral ray files of light sources using principal component analysis**

Jacobs, V. A., Leyre, S., Audenaert, J., Durinck, G., Rombauts, P. & Hanselaer, P., 1 Jul 2015, *28th CIE SESSION*. CIE Central Bureau Vienna-A, Vol. 1. p. 543-548 p. 62. (28th CIE SESSION; vol. 1, no. 1).

### **Near-field and far-field goniophotometry of narrow-beam LED arrays**

Jacobs, V. A., Forment, S., Rombauts, P. & Hanselaer, P., Jun 2015, In: *Lighting Research & Technology*. 47, 4, p. 470-482

### **Rayfiles including spectral and colorimetric information**

Jacobs, V. A., Audenaert, J., Bleumers, J., Durinck, G., Rombauts, P. & Hanselaer, P., 20 Mar 2015, In: *Optics Express*. 23, 7, p. 361-370 p. 10

### **Accurate Determination of the Near Field Illuminance From Narrow Beam LED Arrays Using Ray Files**

Jacobs, V. A., Ryckaert, W., Rombauts, P. & Hanselaer, P., 4 Nov 2014, *PROCEEDINGS of CIE Expert Symposium on Measurement Uncertainties in Photometry and Radiometry for Industry*. p. 60-66 p. 7

### **Accurate Determination of the Near Field Illuminance from Narrow Beam LED Arrays using Ray Files**

Jacobs, V. A., Ryckaert, W., Rombauts, P. & Hanselaer, P., 12 Sep 2014, *Unknown*. p. 60-66

#### **Near-field and far-field goniophotometry of focused LED arrays**

Jacobs, V. A., Forment, S., Rombauts, P. & Hanselaer, P., 1 May 2014, *Proc. SPIE 9131*. Wyrowski, F., Sheridan, J. T., Tervo, J. & Meuret, Y. (eds.). SPIE, Vol. 913104. 9 p. (Optical Modelling and Design III).

#### **Quality Assessment of Virtual Prototypes of Surgical Luminaires using Near-field Ray-data**

Jacobs, V. A., Van Gaever, R., Ribbens, B., Ryckaert, W., Diltoer, M., Rombauts, P., Hanselaer, P. & Houser, K. W. (ed.), Jan 2013, In: LEUKOS. 9, 12 p.

#### **Simulating Surgical Luminaires by Ray Files**

Jacobs, V. A., Van Gaever, R., Ryckaert, W., Diltoer, M., Hanselaer, P. & Rombauts, P., 2013, *Optical measurement techniques for structures & systems*. Dirckx, J. & Buytaert, J. (eds.). Maastricht: Shaker Publishing, p. 1-7 7 p.

#### **Facilities, Chapter 4 of the Educational Self-Evaluation Report of the Master in Electromechanical Engineering, 2012**

Rombauts, P., 1 Mar 2012, *Unknown*. VLIR, the Flemish Interuniversity Board, p. 1-15 15 p.

#### **Novel Design Concepts in Outdoor Lighting**

Rombauts, P., 17 May 2011, *Unknown*. Wessex Institute of Technology-UK

#### **Engineering Education through a Looking Glass and in Perspective : Towards a New Language, Conference paper, and oral presentation, International Conference on Engineering Education in Sustainable Development-EESD10, September 19–22, 2010, organised by Chalmers University of Technology, Göteborg, Sweden**

Rombauts, P., 19 Sep 2010, *Unknown*. p. 1-6 5 p.

#### **Optimisation of the Physical Climate Comfort in Hospital Bedrooms**

Rombauts, P. & Moens, T., 9 Sep 2009, *Unknown*. LUX Europa Conference, p. 1-5 4 p.

#### **Rational and Efficient Use of Energy in Public Lighting**

Rombauts, P., 14 Mar 2008, *Unknown*. p. 1-99 98 p.

#### **On Semi-Cylindrical Illuminance**

Rombauts, P. & Tc, C. T. C. (ed.), 10 Jan 2008, CIE Technical Committee TC 5-23 ed. CIE Central Bureau Vienna-A. 40 p. (Annual report on semi-cylindrical illuminance)

#### **Balancing Luminance and Illuminance Concepts in Urban Lighting**

Rombauts, P., 6 Sep 2007, *Unknown*. Light Pollution and Urban Lighting 2007 Istanbul, p. 1-9 8 p.

#### **Het Ontwerpen van Buitenverlichting**

Rombauts, P. & Gent, K. S. (ed.), 19 Apr 2007, *Unknown*. 50 p. (Opleiding 'Verlichtingstechnieken')

#### **Power Density Targets for Efficient Lighting of Interior Task Areas**

Hanselaer, P., Lootens, C., Ryckaert, W., Deconinck, G., Rombauts, P. & Uk, C. I. O. B. S. E. (ed.), 1 Apr 2007, In: *Lighting Research & Technology*. 39, 2, p. 171-184 14 p.

#### **Energie-efficiënte Technieken bij Binnenverlichting**

Rombauts, P. & Kviv-ti Desguinlei, A. (ed.), 28 Feb 2007, *Unknown*. 30 p. (KVIV-TI Lessenreeks 'Energietechniek in Gebouwen')

#### **Ontwerp van Kunstmatige Verlichting in Gebouwen**

Rombauts, P. & Kviv-ti Desguinlei, A. (ed.), 28 Feb 2007, *Unknown*. 40 p. (KVIV-TI-Lessenreeks 'Energietechniek in Gebouwen')

#### **Daglicht als Complement van Kunstmatig Licht**

Rombauts, P., 29 Nov 2006, *Seminarie "Licht, gezondheid en daglicht"*. Trilux-D (Arnsberg), (Seminarie "Licht, gezondheid en daglicht").

### **Really solving energy and light pollution issues in urban environments**

Rombauts, P. & Van Der Veecken, H., 23 Sep 2006, *International Lighting Conference 'Urban Nightscape 2006' Athens*. Greek National Committee on Illumination

### **Bidirectional Goniophotometry and Building Materials**

Rombauts, P. & Wastiels, L., 18 Sep 2005, *LUX-Europa 2005 International Lighting Conference, TU-Berlin*.

### **Bidirectional goniophotometry and building materials**

Rombauts, P. & Wastiels, L., Sep 2005, *Proceedings of LUX Europe, 10th European Lighting Conference, Berlin, September 19-21, 2005*.

### **The applicability of semi-cylindrical illuminance in sports lighting installations**

Rombauts, P., 16 May 2005, *CIE Midterm Meeting Divisions 1, 2, 4 & 5 - Leon, Spanje*. CIE Midterm Meeting Divisions 1, 2, 4 & 5 - Leon, Spanje

### **Ontwerp van Verlichtingsarmaturen**

Rombauts, P., 9 Nov 2004, *Cursus KVIV "Verlichtingstechnieken", KaHo-Sint-Lieven Gent*. Cursus KVIV Verlichtingstechnieken, KaHo-Sint-Lieven Gent

### **Openbare wegverlichting : energieverbruik versus comfort en veiligheid**

Rombauts, P. & Frans, W., 25 Nov 2003, *Studiedag KVIV "Energie is een constante maatschappelijke zorg", KMS-Brussel (voordracht + deelname aan ronde tafel)*. Studiedag KVIV Energie is een constante maatschappelijke zorg, KMS-Brussel (voordracht + deelname aan ronde tafel)

### **Public Road Lighting in Flanders**

Rombauts, P., 9 Sep 2003, *BNCV/BVV Studiedag 'L'Eclairage routier : gage de sécurité ?/Wegverlichting : waarborg voor veiligheid ?' Agoria, Brussel*.

### **Genauue Schätzung des Lichtstromaufstiegs bei Aussenbeleuchtungsanlagen**

Gillet, M., Rombauts, P. & Biewald, N., 2002, *LICHT 2002 Maastricht-NL, NSVV-NL/LiTG-D/LTG-A/SLG-CH, 22-25 September 2002*.

### **Aspects of Visual Task Comfort in an Urban Environment**

Rombauts, P., 2001, *CIE Midterm Meeting and Lighting Conference, Proceedings pp. 99-104, 6-12 Sept. 2001, Istanbul, Turkije*.

### **Precise Evaluation of Upward Flux from Outdoor Lighting Installations (applied in the case of roadway lighting)**

Gillet, M. & Rombauts, P., 2001, *Light Trespass Symposium, 8 Nov. 2001, Institute for Mechanical Engineering, Londen & Light Pollution Symposium, 5-7 Maart 2002, La Serena (Chili)*. Light Trespass Symposium, 8 Nov. 2001, Institute for Mechanical Engineering, Londen & Light Pollution Symposium, 5-7 Maart 2002, La Serena (Chili)

### **Visual comfort in underground working environments**

Rombauts, P., 2001, *9th LUX-Europa Lighting Conference, Reykjavik-IJsland, Proceedings pp. 388-393, 18-20 Juni 2001*.

### **L'éclairage : à nouveaux critères, nouveaux outils de mesure, de calcul et de simulation**

Eugène, C., Rombauts, P., Embrechts, J-J. & Renglet, M., 2000, In: Unknown Journal.

### **L'éclairage : une technique en évolution : De la performance visuelle à l'émotion - De verlichting : een techniek in beweging : Van de visuele prestatie naar de emotie**

Eugène, C., Rombauts, P., Embrechts, J-J. & Renglet, M., 1999, In: Unknown Journal.

### **L'éclairage : une technique en évolution : Les méthodes de calcul et de simulation - Verlichtingskunde : een techniek in beweging : Berekenings- en simulatiemethoden**

Embrechts, J-J., Renglet, M., Eugène, C. & Rombauts, P., 1999, In: Unknown Journal.

**Openbare wegverlichting in Vlaanderen : Perspectieven en mogelijkheden voor een rationeel beheer**

Rombauts, P. & Van Crombruggen, E., 1999, Studierapport voor het Ministerie van de Vlaamse Gemeenschap, Departement Leefmilieu en Infrastructuur, Administratie Ondersteunende Studies en Opdrachten, Beleid Elektriciteit en Mechanica, December 1999.

**Direct versus diffused lighting : what about ?**

Rombauts, P., 1997, *8th LUX-Europa Lighting Conference, Amsterdam, 11-14 Mei 1997.*

**Modifying the concept of semi-cylindrical illuminance : further investigations on facial recognition**

Rombauts, P., 1995, *CIE Conference, 23rd Session, 1-8 Nov. 1995, New Delhi, India.*

**Phenomenology and characterisation of spatial distribution and reflection of light. Application to residential area lighting and reflector design**

Rombauts, P., 1992, (Unpublished) Brussels.

**Aspects of glare in residential area lighting**

Leterme, M., Rombauts, P. & Maggetto, G., 1991, In: Unknown Journal.

**On reflection, bidirectional photometry and reflector design**

Rombauts, P. & Maggetto, G., 1991, *CIE Conference, 22nd Session, 2-11 July 1991, Melbourne (AUS), Paper No. 34 of Div. 2 pp. 1-2..*

**Real reflection properties in reflector design**

Rombauts, P. & Maggetto, G., 1991, In: Unknown Journal.

**Minimum semi-cylindrical illuminance and modelling in residential area lighting**

Rombauts, P., Vandewyngaerde, H. & Maggetto, G., 1989, In: Unknown Journal.

**On residential area lighting and glare**

Rombauts, P., Maggetto, G. & Leterme, M., 1989, *VI. LUX Europa Congress, Oct. 1989, Budapest (H), Proceedings pp. 161-172.*

**Some lighting design considerations on residential areas with regard to the semi-cylindrical illuminance**

Rombauts, P., 1987, In: Unknown Journal.

## Projects

**IWT130: A Light Technology Centre as exchange project for the lighting industry.**

Rombauts, P.

1/10/99 → ...

**FWOKN57: An automatic bidirectional photometer for reflection and transmission.**

Rombauts, P.

1/01/99 → 31/12/01

**OZR2729: Bilateral cooperation within the framework of joint doctoral projects\_Bench fee i.h.k. from Joint PhD VUB-KUL, Valery Jacobs.**

Rombauts, P.

1/07/14 → 30/06/15

**IWT190: Indicatieve en decoratieve verlichting met LED's.**

Rombauts, P.  
1/10/01 → 30/09/03

**HOA25: Integratie van licht en lucht in een operatiekwartier.**

Huyghens, L., Rombauts, P., Vanlanduit, S., Peeters28062, L. & Diltoer, M.  
1/01/11 → 31/12/14

**OZR222: Mobile and adaptable components in the building envelope: sensibility analysis with respect to energy consumption and comfort**

Mollaert, M., Van Loeij, J., Van Overmeire, M. & Rombauts, P.  
1/01/98 → 31/12/99

**VLL6: Public road lighting in Flanders: Perspectives and opportunities for efficient management.**

Rombauts, P.  
1/01/99 → 31/10/99

**IWT189: Studie van verkeerssignalisatie met LED's**

Rombauts, P.  
1/10/99 → 30/09/01

## Awards

### Activities

**PhD Dissertation Reading Committee of Jesus Maria Quintero Quintero at Universitat Politecnica of Catalunya**

Patrick Rombauts (Member)  
23 Oct 2014 → 31 Dec 2015

**More about LEDs**

Patrick Rombauts (Participant)  
22 Oct 2014

**CIE Division 2 Expert Symposium on Measurement Uncertainties in Photometry and Radiometry for Industry**

Patrick Rombauts (Speaker)  
9 Sep 2014 → 12 Sep 2014

**Public Spaces Days 2014**

Patrick Rombauts (Participant)  
5 Feb 2014 → 6 Feb 2014

**Lecture Series on Lighting and Safety**

Patrick Rombauts (Member)  
28 Jan 2014 → 22 Apr 2014

**Public Lighting : a View on the Future, BIV-IBE Yearly Seminar**

Patrick Rombauts (Participant)  
17 Oct 2013

**The Status of Lamps in 2013**

Patrick Rombauts (Participant)  
10 Sep 2013

**Small and Medium sized Wind Turbines, a sensible Alternative ?**

Patrick Rombauts (Participant)

7 Jun 2013

**VELUX 5th Daylight Symposium**

Patrick Rombauts (Participant)

14 May 2013 → 16 May 2013

**VELUX 5th Daylight Symposium**

Patrick Rombauts (Invited speaker)

14 May 2013 → 16 May 2013

**Sustainable Lighting 2013**

Patrick Rombauts (Participant)

23 Apr 2013

**CIE Division Meetings Div. 4 & Div. 5 & Centenary of the CIE**

Patrick Rombauts (Participant)

12 Apr 2013 → 19 Apr 2013

**Public Spaces Day 2013**

Patrick Rombauts (Participant)

30 Jan 2013 → 31 Jan 2013

**New Trends in Interior Lighting**

Patrick Rombauts (Participant)

18 Oct 2012

**EDISON Workshop Smart SSL/LED Lighting 2012**

Patrick Rombauts (Participant)

20 Sep 2012

**Lighting for Transport**

Patrick Rombauts (Member)

9 Sep 2012 → 13 Sep 2012

**CIE Division Meetings of Division 4 and 5**

Patrick Rombauts (Participant)

8 Sep 2012 → 13 Sep 2012

**LED Lighting Strategies for Urban Spaces**

Patrick Rombauts (Participant)

20 Jun 2012

**LED Lighting Strategies for Urban Spaces**

Patrick Rombauts (Participant)

20 Jun 2012

**Sustainable Lighting 2012**

Patrick Rombauts (Participant)

10 May 2012

**118th Congress of the SFO**

Patrick Rombauts (Participant)

27 Apr 2012 → 30 Apr 2012

**5th International Conference on Optical Measurement Techniques for Structures and Systems 2 (OPTIMESS)**

Patrick Rombauts (Participant)

4 Apr 2012 → 5 Apr 2012

**5th International Conference on Optical Measurement Techniques for Structures and Systems 2 (OPTIMESS)**

Patrick Rombauts (Speaker)

4 Apr 2012 → 5 Apr 2012

**Intelligent Public Lighting**

Patrick Rombauts (Participant)

8 Mar 2012

**Public Space Day 2012**

Patrick Rombauts (Participant)

1 Feb 2012 → 2 Feb 2012

**Start event Green Light Flanders 2020**

Patrick Rombauts (Participant)

14 Nov 2011

**Light, Colour Rendering and Modelling**

Patrick Rombauts (Organiser)

3 Nov 2011 → 4 Nov 2011

**Exterior Lighting and LEDs**

Patrick Rombauts (Participant)

20 Oct 2011

**Groen Licht Vlaanderen (External organisation)**

Patrick Rombauts (Member)

1 Oct 2011 → 30 Sep 2015

**IWT (External organisation)**

Patrick Rombauts (Member)

1 Oct 2011 → 30 Sep 2015

**Katholieke Hogeschool Sint-Lieven (External organisation)**

Patrick Rombauts (Member)

1 Oct 2011 → 30 Sep 2015

**1st International Conference on Light in Engineering, Architecture and the Environment (Light 2011)**

Patrick Rombauts (Invited speaker)

17 May 2011 → 19 May 2011

**VELUX 4th Daylight Symposium**

Patrick Rombauts (Participant)

4 May 2011 → 5 May 2011

**VELUX 4th Daylight Symposium**

Patrick Rombauts (Invited speaker)

4 May 2011 → 5 May 2011

**Scientific Visit at the laboratories of the EPFL-Ecole Polytechnique Fédérale de Lausanne-CH, LESO-PB, Laboratoire d'Energie Solaire-Physique du Bâtiment, Dir. Jean-Louis Scartezzini on the occasion of the VELUX 4th Daylight Symposium**

Patrick Rombauts (Member)  
3 May 2011 → 5 May 2011

**Brochure Kunstmatige Optische Straling (45 blz., mei 2011, FOD Werkgelegenheid, Arbeid en Sociaal Overleg) (Journal)**

Patrick Rombauts (Editor)  
1 May 2011

**Sustainable Lighting 2011**

Patrick Rombauts (Participant)  
7 Apr 2011

**Office Buildings : Tools and Methods to Realise Energy Objectives Tomorrow**

Patrick Rombauts (Participant)  
25 Mar 2011

**Office Buildings : Tools and Methods to Realise Energy Objectives Tomorrow**

Patrick Rombauts (Participant)  
25 Mar 2011

**LED it be**

Patrick Rombauts (Participant)  
24 Feb 2011

**Retail Design and Light : From Figure to Emotion**

Patrick Rombauts (Participant)  
30 Nov 2010

**Retail Design and Light : From Figure to Emotion**

Patrick Rombauts (Participant)  
30 Nov 2010

**Site Visits in the Brussels Capital Region - Capital of Sustainable and Passive Buildings**

Patrick Rombauts (Participant)  
9 Nov 2010

**Applications of LEDs in Interior Lighting**

Patrick Rombauts (Participant)  
4 Nov 2010

**Energy 2010**

Patrick Rombauts (Participant)  
24 Oct 2010

**From Knowledge to Competitiveness**

Patrick Rombauts (Organiser)  
14 Sep 2010

**CIE 2nd Expert Symposium on Appearance : When Appearance meets Lighting**

Patrick Rombauts (Participant)  
8 Sep 2010 → 10 Sep 2010



**CIE Division 4 and 5 Meeting 2010**

Patrick Rombauts (Participant)  
5 Sep 2010 → 8 Sep 2010

**Jury Member of Doctorats Commission**

Patrick Rombauts (Member)  
17 Aug 2010 → 29 Sep 2010

**International Conference on Engineering Education ICEE-2010**

Patrick Rombauts (Speaker)  
18 Jul 2010 → 22 Jul 2010

**International Conference on Engineering Education ICEE-2010**

Patrick Rombauts (Speaker)  
18 Jul 2010 → 22 Jul 2010

**Sustainable Lighting 2010**

Patrick Rombauts (Participant)  
29 Apr 2010

**Public Lighting and Electricity**

Patrick Rombauts (Participant)  
31 Mar 2010

**CIE 2010 Conference on Lighting Quality & Energy Efficiency**

Patrick Rombauts (Participant)  
14 Mar 2010 → 17 Mar 2010

**SOHO Pilot Project**

Patrick Rombauts (Participant)  
4 Mar 2010

**The New Future of the International Seamen's House of Antwerp**

Patrick Rombauts (Participant)  
22 Feb 2010

**Tutor Meeting Day on behalf of Teacher Education**

Patrick Rombauts (Organiser)  
12 Feb 2010

**Tutor Meeting Day on behalf of Teacher Education**

Patrick Rombauts (Organiser)  
12 Feb 2010

**Phasing out Incandescent Lamps and New RUE in 2010**

Patrick Rombauts (Participant)  
11 Feb 2010

**Experimenting in Teaching Sciences**

Patrick Rombauts (Participant)  
3 Feb 2010

**Urban Densification & Construction Sustainability**

Patrick Rombauts (Participant)  
10 Dec 2009

**Exterior and Public Lighting**

Patrick Rombauts (Participant)  
3 Nov 2009

**ISAL-International Symposium on Automotive Lighting**

Patrick Rombauts (Participant)  
28 Sep 2009 → 30 Sep 2009

**11th LUX Europa Lighting Conference**

Patrick Rombauts (Speaker)  
9 Sep 2009 → 11 Sep 2009

**Doctoral Jury Member and Member of Advisory Committee of Justine Decuyper, entitled : Simulation of the Retina Response in Mesopic Lighting Conditions, Prom. Prof. Th. Dutoit, J-L Capron & M. Renglet; Public Defense on 23 Sept. 2013**

Patrick Rombauts (Member)  
1 Sep 2009 → 23 Sep 2013

**LED-TL Luminaire**

Patrick Rombauts (Member)  
2 Jul 2009 → 22 Jul 2009

**VRT Studios Technical Visit**

Patrick Rombauts (Participant)  
26 Jun 2009

**Jury Member of granting commission of project Lighting the UZ-Ghent Campus**

Patrick Rombauts (Member)  
1 Jun 2009 → 1 Jun 2010

**CIE Midterm Meeting 2009**

Patrick Rombauts (Participant)  
30 May 2009 → 3 Jun 2009

**Light and Lighting Conference with Special Emphasis on LEDs and Solid State Lighting**

Patrick Rombauts (Participant)  
27 May 2009 → 29 May 2009

**VELUX 3rd Daylight Symposium**

Patrick Rombauts (Participant)  
13 May 2009 → 14 May 2009

**VELUX 3rd Daylight Symposium**

Patrick Rombauts (Invited speaker)  
13 May 2009 → 14 May 2009

**3rd VELUX Daylight Symposium on Daylight Quality in Buildings, Van Nelle Factory, Rotterdam-NL, study stay on invitation of VELUX-Belgium**

Patrick Rombauts (Member)  
13 May 2009 → 14 May 2009

**Sustainable Lighting 2009**

Patrick Rombauts (Participant)  
23 Apr 2009

**Competence Directed Curriculae, An Baeyens (EU-DG Internal Market) Working as engineer, medical doctor, lawyer, etc within the EU : Dream or reality ? Implementation of Directive 2005/36/EC**  
Patrick Rombauts (Participant)  
10 Feb 2009

**European Union Sustainable Energy Week**  
Patrick Rombauts (Participant)  
9 Feb 2009 → 13 Feb 2009

**Obtrusive Light by Road Lighting**  
Patrick Rombauts (Member)  
1 Feb 2009 → 31 Dec 2010

**Solving Health Problem with Artificial TL Fluorescent Lighting**  
Patrick Rombauts (Member)  
1 Feb 2009 → 1 Apr 2009

**Solar Electrical Music Machine**  
Patrick Rombauts (Member)  
15 Jan 2009 → 30 Jan 2010

**Building Tunnels in the European City – a future oriented mass transport in urban context**  
Patrick Rombauts (Participant)  
26 Nov 2008

**Language Developing Vocational Education**  
Patrick Rombauts (Participant)  
3 Nov 2008

**Indoor Lighting and Rational Use of Energy**  
Patrick Rombauts (Participant)  
23 Oct 2008

**Impact of Efficient Lighting on the Energy Consumption of Shops**  
Patrick Rombauts (Invited speaker)  
14 Oct 2008

**Here is Burning the Lamp : Calculation, Simulation and Visualisation of Light and Lighting**  
Patrick Rombauts (Organiser)  
1 Oct 2008

**Katholieke Hogeschool Sint-Lieven (External organisation)**  
Patrick Rombauts (Member)  
1 Oct 2008 → 30 Sep 2012

**PXL University of Applied Sciences and Arts (External organisation)**  
Patrick Rombauts (Member)  
1 Oct 2008 → 30 Sep 2012

**CIE Division Meetings Div. 4 & Div. 5**  
Patrick Rombauts (Chair)  
1 Sep 2008 → 3 Sep 2008

**Enlighting Colombia : PCM workshop 2008**

Patrick Rombauts (Organiser)  
24 Aug 2008 → 28 Aug 2008

**Road Surface Photometric Characteristics**

Patrick Rombauts (Participant)  
9 Jul 2008 → 10 Jul 2008

**Advances in Photometry and Colorimetry**

Patrick Rombauts (Organiser)  
7 Jul 2008 → 8 Jul 2008

**Jury Member of granting commission of project 'Lighting of a Cycle Bridge and Arbour on the E40 highway in Wetteren'**

Patrick Rombauts (Member)  
29 May 2008 → 17 Jun 2008

**Sustainable Lighting 2008**

Patrick Rombauts (Participant)  
24 Apr 2008

**The technical issue of coupling of decentral energy production into the distribution net**

Patrick Rombauts (Participant)  
23 Apr 2008

**A Definition of Colour**

Patrick Rombauts (Member)  
1 Apr 2008

**Energy Saving Potential in Lighting Applications**

Patrick Rombauts (Participant)  
20 Mar 2008

**Rational and Efficient Use of Energy in Public Lighting : Prospectives of Lighting in the World; Nuevas Tecnologías, Pruebas y Normalización aplicados al tema Iluminación; URE y Tendencias en Alumbrado Público; Iluminación, Seguridad y Salud**

Patrick Rombauts (Speaker)  
10 Mar 2008 → 14 Mar 2008

**Study stay to launch the Postgraduate Programme "Enlighting Colombia" to deploy academical, scientific and research cooperation**

Patrick Rombauts (Member)  
10 Mar 2008 → 14 Mar 2008

**Project VELUX® Platform**

Patrick Rombauts (Advisor)  
19 Feb 2008

**New technology for relighting projects for rational use of energy by TL lamp dimming (assessment quality)**

Patrick Rombauts (Member)  
14 Jan 2008

**Assessing the health risk of a break with CFL-Compact Fluorescent Lamps**

Patrick Rombauts (Member)  
9 Jan 2008

**Assessment of the health risks of eventual UV-B radiation in halogen incandescent lamps**

Patrick Rombauts (Member)

21 Dec 2007

**Measurement of Appearance & Code of Good Practice for Interior Lighting**

Patrick Rombauts (Participant)

20 Dec 2007

**Photovoltaic Energy : Electricity out of Sunlight**

Patrick Rombauts (Participant)

5 Dec 2007

**Coating of Reflectors for Luminaires : A new Technique as Amelioration of the Classical Anodising Process**

Patrick Rombauts (Member)

4 Dec 2007

**SpaceShipOne & Two**

Patrick Rombauts (Participant)

27 Nov 2007

**Sustainable Urban Lighting**

Patrick Rombauts (Participant)

20 Nov 2007

**Novel Lighting Techniques**

Patrick Rombauts (Participant)

8 Nov 2007

**Ten Years of Laboratory for Light Technology**

Patrick Rombauts (Invited speaker)

22 Oct 2007

**De Nieuwste Ontwikkelingen in Openbare Verlichting**

Patrick Rombauts (Participant)

18 Oct 2007

**Seminarie HRN-Hoge Raad voor de Normalisatie**

Patrick Rombauts (Invited speaker)

11 Oct 2007

**A Status Report on International Committee Work in Lighting for Transport**

Patrick Rombauts (Speaker)

25 Sep 2007

**The earth, the human and the climate**

Patrick Rombauts (Participant)

19 Sep 2007

**Competences in practice. Towards a competences based education in sciences and technology**

Patrick Rombauts (Organiser)

6 Sep 2007

**Light Pollution and Urban Lighting-2007**

Patrick Rombauts (Speaker)  
6 Sep 2007 → 8 Sep 2007

**CIE Quadrennial Conference and biannual Division 4 & 5 Meetings**

Patrick Rombauts (Chair)  
4 Jul 2007 → 11 Jul 2007

**Stadsontwikkeling in Beweging**

Patrick Rombauts (Participant)  
19 Jun 2007

**De Nieuwe Lerarenopleiding en het Stagebeleid**

Patrick Rombauts (Participant)  
13 Jun 2007

**SFO-Société Française d'Ophtalmologie 113è Congrès**

Patrick Rombauts (Participant)  
6 May 2007 → 8 May 2007

**Studiedag "Duurzame Verlichting"**

Patrick Rombauts (Participant)  
24 Apr 2007

**Lunch conference : Driving Efficiency in the Lighting Market by Gerald Strickland, Secretary General of the European Lighting Companies Federation**

Patrick Rombauts (Participant)  
14 Mar 2007

**Cursus 'Energietechniek in gebouwen'**

Patrick Rombauts (Speaker)  
28 Feb 2007

**Light, health and daylight**

Patrick Rombauts (Keynote speaker)  
27 Nov 2006 → 29 Nov 2006

**Trilux-Arnsberg**

Patrick Rombauts (Member)  
27 Nov 2006 → 29 Nov 2006

**Lessenreeks 'Specialisatie Verlichtingstechniek'**

Patrick Rombauts (Speaker)  
1 Nov 2006 → 31 Mar 2007

**Nationale Studiedag van het Belgisch Instituut voor Verlichtingskunde**

Patrick Rombauts (Participant)  
5 Oct 2006

**Urban Nightscape 2006**

Patrick Rombauts (Speaker)  
21 Sep 2006 → 24 Sep 2006

**CIE Midterm Meeting Divisions 4 & 5**

Patrick Rombauts (Invited speaker)

18 Sep 2006 → 21 Sep 2006

**Jurylid Commissie project 'Verlichting van een fietsersbrug'**

Patrick Rombauts (Member)

5 Sep 2006

**SFO-Société Française d'Ophtalmologie 112è Congrès**

Patrick Rombauts (Participant)

6 May 2006 → 9 May 2006

**Laboratorium voor Lichttechnologie KaHo-Sint-Lieven Gent (External organisation)**

Patrick Rombauts (Member)

1 May 2006 → 31 Dec 2010

**Die Gläserne Manufaktur of Volkswagen-Dresden-D**

Patrick Rombauts (Member)

8 Apr 2006

**Katholieke Hogeschool Sint-Lieven (External organisation)**

Patrick Rombauts (Member)

1 Oct 2005 → 30 Sep 2013

**LTC-Lichttechnologie Centrum Provinciale Industriële Hogeschool (External organisation)**

Patrick Rombauts (Member)

1 Oct 2005 → ...

**LUX-Europa 2005 Lighting Conference**

Patrick Rombauts (Participant)

18 Sep 2005 → 21 Sep 2005

**CIE Expert Symposium on Vision and Lighting in Mesopic Conditions 2005**

Patrick Rombauts (Speaker)

21 May 2005

**Guidelines for the use of Semi-cylindrical and other Illuminances in Outdoor Lighting**

Patrick Rombauts (Member)

17 May 2005 → 31 Dec 2009

**CIE Midterm Meeting Divisions 1, 2, 4 & 5**

Patrick Rombauts (Invited speaker)

16 May 2005 → 20 May 2005

**Duurzame Stedelijke Mobiliteit - Lessenreeks**

Patrick Rombauts (Speaker)

11 May 2005

**Projecten "Dagrijlichten-DRL" en "Fietslichten"**

Patrick Rombauts (Member)

1 Jan 2005 → 31 Dec 2006

**Cursus Verlichtingstechnieken**

Patrick Rombauts (Keynote speaker)

9 Nov 2004

**Federale Overheidsdienst Economie, KMO, Middenstand en Energie (External organisation)**

Patrick Rombauts (Member)

1 Oct 2004 → 31 Mar 2019

**CIE Expert Symposium "Light and Health' 2004**

Patrick Rombauts (Organiser)

30 Sep 2004 → 2 Oct 2004

**METAS-Bern-CH**

Patrick Rombauts (Member)

11 Sep 2004

**CIE Midterm Meeting Divisie 4 en Divisie 5 - 2004**

Patrick Rombauts (Invited speaker)

8 Sep 2004 → 11 Sep 2004

**Wegverlichting: waarborg voor Veiligheid ?/L'éclairage : gage de sécurité ?**

Patrick Rombauts (Organiser)

9 Sep 2003

**CIE Divisie 4 en Divisie 5 Meeting + Technische Commissies**

Patrick Rombauts (Invited speaker)

28 Sep 2002 → 2 Oct 2002

**IEN-Istituto Elettrotecnico Nazionale-Galileo Ferraris, Torino**

Patrick Rombauts (Member)

28 Sep 2002 → 3 Oct 2002

**Verlichtingstechnieken**

Patrick Rombauts (Speaker)

25 Apr 2002

**Verlichting - Simulatie en Visualisatie**

Patrick Rombauts (Keynote speaker)

31 Oct 2001

**LUX-Europa 2001**

Patrick Rombauts (Speaker)

18 Jun 2001 → 20 Jun 2001

**Energie en Maatschappij: Rationeel Gebruik van Energie**

Patrick Rombauts (Participant)

8 Mar 2001

**International Journal of Lighting Research and Technology (External organisation)**

Patrick Rombauts (Member)

1 Jan 2001 → 31 Dec 2014

**Thomas & Gilles, Lüdenscheid-D**

Patrick Rombauts (Member)

23 Nov 2000



**CIE Divisie 4 en Divisie 5 Meeting + Technische Commissies**

Patrick Rombauts (Invited speaker)

3 Sep 2000 → 8 Sep 2000

**Royal Institute of Technology/ACREO/KTH in Stockholm (Kista Science Park)**

Patrick Rombauts (Supervisor)

17 May 2000 → 19 May 2000

**Study stay at the Royal Institute of Technology/ACREO/KTH in Stockholm (SE) (Kista Science Park, Prof. Lars Mattsson)**

Patrick Rombauts (Member)

17 May 2000 → 19 May 2000

**Elektrische Energie in Perspectief**

Patrick Rombauts (Participant)

23 Dec 1999

**CIE-Internationale Verlichtingscommissie (Commission Internationale de l'Eclairage) (External organisation)**

Patrick Rombauts (Contributor)

20 Oct 1998 → 27 Mar 2019

**UPC-Universitat Politècnica de Catalunya-Barcelona**

Patrick Rombauts (Member)

3 Jun 1998 → 5 Jun 1998

**Weg- en stadsverlichting**

Patrick Rombauts (Keynote speaker)

6 May 1998

**Verlichting: Van Mysterie tot Techniek**

Patrick Rombauts (Participant)

30 Jan 1997

**BNCV en BVV (External organisation)**

Patrick Rombauts (Member)

1 Oct 1995 → 1 Apr 2019

**Beoordeling van onderzoeksprojecten**

Patrick Rombauts (Member)

1 Jan 1994 → 31 Oct 2019

**Gerechtigde expertises in het domein van de verlichtingstechniek**

Patrick Rombauts (Member)

1 Jan 1993 → 31 Dec 2019

**Nieuwe ontwikkelingen in de verlichtingskunde : seminarie van de Belgische Vereniging voor Verlichtingskunde**

Patrick Rombauts (Keynote speaker)

25 Oct 1990

**Intensive Course on CAD of Electrical Machines (EU-Erasmus Programme)**

Patrick Rombauts (Speaker)

25 Jan 1990 → 26 Jan 1990

**ERASMUS Intensive Course on CAD of electrical machines**

Patrick Rombauts (Member)

24 Jan 1990 → 26 Jan 1990

**Study Stay at the Physikalisch-Technische Bundesanstalt Baunschweig-PTB**  
Patrick Rombauts (Member)  
1 Apr 1986 → 4 Apr 1986

**BIV-Belgisch Instituut voor de Verlichtingskunde (External organisation)**  
Patrick Rombauts (Member)  
1 Jan 1984 → 1 Apr 2019