

# Talks and papers

by Jean-luc Doumont

These pages list conference presentations, lectures, and publications by Jean-luc Doumont since 1986. Unless otherwise noted, Jean-luc is single author. When possible, entries are linked to Web resources, such as abstracts or full-text versions of the papers. Access to full papers may be subject to conditions (subscription, membership, payment of a fee, etc.). These pages were last updated on Sat 31 Dec 2011.

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# Keynote addresses

## **The three laws of communication**

ENBIS 10: Antwerpen, Belgium (12–16 Sep 2010)

## **Nothing is what it seems: measuring and calculating chances**

NRV meeting: Den Haag, Netherlands (17 May 2010)

## **Road signs: finding your way in the visual world**

STC Conf.: Philadelphia, Pennsylvania (27–28 Mar 2009)

## **Communication strategies for the 21st century**

TCANZ 2007 conf.: Wellington, New Zealand (7 Nov 2007)

## **Making the most of your presentation**

Second annual workshop on nanophotonics:  
Vilnius, Lithuania (27 Sep 2006)

## **Magical numbers: the seven-plus-or-minus-two myth**

STC Region 5 conf.: Mesa, Arizona (12 Nov 2005)

## **Effective page layout for the nonartist**

STC conf.: Philadelphia, Pennsylvania (19 Mar 2005)

## **The cross-cultural challenge: segmentation, strategies, and statistics**

Forum 2003: Milano, Italy (1–2 Jul 2003)



## Invited conference sessions

### **Conveying messages with graphs**

Stanford U Photonics Retreat 2011: Point Reyes, California (8–10 Apr 2011)

### **Making the most of your presentation**

217th AAS Meeting: Seattle, Washington (9–13 Jan 2011)

VIBes in Biosciences 2010: Leuven, Belgium (13–15 Oct 2010)

IONS-8: Moscow, Russia (21–24 Jun 2010)

14th IEEE Photonics Society Benelux annual workshop:  
Gent, Belgium (14 Apr 2010)

Women in Photonics school on photonic metamaterials:  
Paris, France (13–18 Apr 2008)

Career Development and Research Trends in Nano-Sciences:  
Comaruga, Spain (2–3 Jun 2007)

### **Effective slides—design, construction, and use**

MET Meeting 2010: Tarragona, Spain (28–30 Oct 2010)

NHCA 2010 annual hearing conf.: Orlando, Florida (25–27 Feb 2010)

TCANZ 2007 conf.: Wellington, New Zealand (9 Nov 2007)

IPCC 2005: Limerick, Ireland (10–13 Jul 2005)

### **Effective communication for rational minds**

IONS-NA 1: College Park, Maryland (24–27 Sep 2009)

Photonics Toolkit: Québec, Québec (5–8 Mar 2009)

### **Political correctness in pictograms**

Pecha Kucha Night: Brussels, Belgium (20 May 2008)

### **Structuring your scientific paper**

Women in Photonics school on photonic metamaterials:  
Paris, France (13–18 Apr 2008)

Career Development and Research Trends in Nano-Sciences:  
Comaruga, Spain (2–3 Jun 2007)

### **Road signs: finding your way in the visual world**

STC's Currents 2008: Atlanta, Georgia (15 Mar 2008)

STC's 54th annual conf.: Minneapolis, Minnesota (13–16 May 2007)

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**Modern myths: shortcomings in scientific writing**

UGent-FirW PhD symposium: Gent, Belgium (5 Dec 2007)

**Effective page layout for the nonartist**

STC's 54th annual conf.: Minneapolis, Minnesota (13–16 May 2007)

**The three laws of communication**

IPCC 2005: Limerick, Ireland (10–13 Jul 2005)

**Bridging cultures: segmentation, strategies, and statistics**

UPA conf.: Montréal, Canada (29 Jun – 1 Jul 2005)

**Is a picture worth a thousand words?**

STC/STIC Visuele Technische Commun. conf.:

Schiphol, Netherlands (22 Nov 2002)



## Other conference sessions

On professional  
communication

**Powerful, stable, XML-friendly: discover (La)T<sub>E</sub>X**

STC's 53rd annual conf.: Las Vegas, Nevada (7-10 May 2006)

**Effective slides: design, construction, and use**

STC's 53rd annual conf.: Las Vegas, Nevada (7-10 May 2006)

STC's 52nd annual conf.: Seattle, Washington (8-11 May 2005)

**Effective page layout for the nonartist**

STC's 53rd annual conf.: Las Vegas, Nevada (7-10 May 2006)

STC's 52nd annual conf.: Seattle, Washington (8-11 May 2005)

**The three laws of communication**

STC's 53rd annual conf.: Las Vegas, Nevada (7-10 May 2006)

STC's 52nd annual conf.: Seattle, Washington (8-11 May 2005)

STC's 51st annual conf.: Baltimore, Maryland (9-12 May 2004)

**Magical numbers**

STC's 53rd annual conf.: Las Vegas, Nevada (7-10 May 2006)

IPCC 2004: Minneapolis, Minnesota (29 Sep - 1 Oct 2004)

STC's 51st annual conf.: Baltimore, Maryland (9-12 May 2004)

**Understanding visual communication**

STC's 52nd annual conf.: Seattle, Washington (8-11 May 2005)

IPCC 2004: Minneapolis, Minnesota (29 Sep - 1 Oct 2004)

STC's 50th annual conf.: Dallas, Texas (18-21 May 2003)

**Effective executive summaries: a simple but solid paradigm**

IPCC 2003: Orlando, Florida (21-24 Sep 2003); proceedings

**Constrained designs for visual harmony**

STC's 50th annual conf.: Dallas, Texas (18-21 May 2003)

**Developing real-world communication skills in noncommunication classrooms**

IPCC 2002: Portland, Oregon (17-20 Sep 2002); proceedings 138-144

**Translation 101: myths and realities**

IPCC 2002: Portland, Oregon (17-20 Sep 2002); proceedings 46-50

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**Discussing technical communication with engineers: analogies that work**  
IPCC 2001: Santa Fe, New Mexico (24–26 Oct 2001); proceedings 425–429  
First Belgian conf. on Technical Commun.: Elewijt, Belgium (19 Oct 2000)

**Creating Web pages: Old or New World?**  
Int. Colloq. on Prof. Commun.: Suzdal, Russia (15–16 Aug 2001)

On professional  
typesetting

**Integrating T<sub>E</sub>X and PDF seamlessly in pdfT<sub>E</sub>X**  
TUG 2011: Thiruvananthapuram, India (19–21 Oct 2011)

**Quantum space: designing pages on grids**  
TUG 2010: San Francisco, California (28–30 Jun 2010)

**Drawing effective (and beautiful) graphs with T<sub>E</sub>X** [best paper]  
TUG 99: Vancouver, British Columbia (15–19 Aug 1999)

**Doing it my way: a lone T<sub>E</sub>Xer in the real world** [best paper]  
TUG 99: Vancouver, British Columbia (15–19 Aug 1999)

**Pascal pretty-printing: an example of preprocessing within T<sub>E</sub>X**  
TUG 94: Santa Barbara, California (31 Jul – 4 Aug 1994)

On training  
and education

Jean-luc Doumont and Christiane Campi  
**Teaching first aid at the Belgian Red Cross:  
active methods turn out highly successful**  
Int. symp. on First-Aid Didactics: Vienna, Austria (20–21 Nov 1998)

Christiane Campi, Viviane Delegher, and Jean-luc Doumont  
**Former le public à réagir aux urgences vitales:  
le Brevet Européen de Premiers Secours**  
La médecine de la première heure: Brussels, Belgium (9–10 Oct 1998)

Jean-luc Doumont and Christiane Campi  
**The creation of written supports for first-aid training**  
Third European congress on CPR and Prehospital Care: Gent, Belgium (7–8 Nov 1997)

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Christiane Campi and Jean-luc Doumont

**La pédagogie active par mise en situation dans l'enseignement des premiers secours**

Third European congress on CPR and Prehospital Care: Gent, Belgium (7–8 Nov 1997)

On Internet

Jean-luc Doumont and Pieter Jan Peumans

**Tools and concepts in doing research on the Web**

International Research Funding: Manchester, United Kingdom (22–24 Sep 2000)

**Créativité, innovation et les NTIC**

Journée des quatre chemins: Hognes, Belgium (23 May 2000)

Pieter Jan Peumans and Jean-luc Doumont

**Moteurs de recherche, métamoteurs, agents intelligents:**

**les outils de recherche d'informations sur l'Internet**

Gestion stratégique de l'Internet: Liège, Belgium (25–27 May 2000)

Jean-luc Doumont and Pieter Jan Peumans

**Introduction générale à l'Internet**

Gestion stratégique de l'Internet: Brussels, Belgium (3–4 Mar 2000)

Jean-luc Doumont and Pieter Jan Peumans

**Medische informatie op Internet: voorkom Web-hoofdpijn**

Sint-Dimpna symposium: Mol, Belgium (24 Oct 1999)

On applied physics

Jean-luc Doumont and Anthony E. Siegman

**Laser beam and resonator calculations on the Macintosh**

First annual conf. on Scientific and Engineering Applications  
of the Macintosh SEAM'92 (15–17 Jan 1992)

Jean-luc Doumont, Paul L. Mussche, Ali Tabibian, and Anthony E. Siegman

**Stable and unstable laser beam and cavity mode analyses on personal computers**

Fifth Interdisciplinary Laser Science conf.: Stanford, California (28–31 Aug 1989)



# Invited conference workshops

## Conveying messages with graphs

N4E meeting: Erice, Italy (8–13 Nov 2011)

217th AAS Meeting: Seattle, Washington (9–13 Jan 2011)

## Effective technical presentations

SPIE Optics + Photonics 2011: San Diego, California (21–25 Aug 2011)

SPIE Photonics Europe 2010: Brussels, Belgium (12–16 Apr 2010)

SPIE Photonics West 2010: San Francisco, California (23–28 Jan 2010)

SPIE Photonics West 2009: San Jose, California (24–29 Jan 2009)

SPIE Optics + Photonics 2008: San Diego, California (10–14 Aug 2008)

SPIE Photonics Europe 2008: Strasbourg, France (7–11 Apr 2008)

## Effective scientific papers

SPIE Optics + Photonics 2011: San Diego, California (21–25 Aug 2011)

SPIE Photonics West 2010: San Francisco, California (23–28 Jan 2010)

Bimore meeting: Otranto, Italy (27 Sep – 3 Oct 2009)

SPIE Photonics West 2009: San Jose, California (24–29 Jan 2009)

SPIE Optics + Photonics 2008: San Diego, California (10–14 Aug 2008)

## Making the most of your presentation

12<sup>e</sup> journées scientifiques du (RF)<sup>2</sup>B: Luxembourg (6–8 Jul 2011)

Convention of the DFG Priority Programme SPP 1239:

Tutzing, Germany (28 Sep–1 Oct 2010)

First annual NESPA meeting:

Sant Feliu de Guíxols, Spain (25–26 Oct 2007)

## Effective presentations: structure and delivery

NHCA 2010 Annual Hearing Conf.: Orlando, Florida (25–27 Feb 2010)

## Structured writing

STC Conf.: Philadelphia, Pennsylvania (27–28 Mar 2009)

## Web sites: structure and navigation

STC Conf.: Philadelphia, Pennsylvania (27–28 Mar 2009)

## Effective scientific writing

Convention of the DFG Priority Programme SPP 1239:

Duisburg, Germany (16–19 Feb 2009)

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### **Structuring your scientific paper**

Second annual NESPA meeting:  
Rust, Austria (2–3 Oct 2008)

### **Visual structure**

STC's Currents 2008: Atlanta, Georgia (14 Mar 2008)  
TCANZ 2007 conf.: Wellington, New Zealand (6 Nov 2007)  
STC Region 5 conf.: Mesa, Arizona (12 Nov 2005)  
STC conf.: Philadelphia, Pennsylvania (18 Mar 2005)

### **Understanding visual communication**

STC's 51st annual conf.: Baltimore, Maryland (9–12 May 2004)



# Invited lectures in Europe

Jean-luc has been invited to deliver lectures  
or to run workshops on these campuses.

## Belgium

Faculté de Gembloux  
Facultés Universitaires Catholiques de Mons  
Facultés universitaires Saint-Louis  
Katholieke Universiteit Leuven  
Université catholique de Louvain  
Université Libre de Bruxelles  
Université de Liège  
Université de Mons  
Universiteit Antwerpen  
Universiteit Gent  
Vrije Universiteit Brussel

## Germany

Forschungsinstitut zur Zukunft der Arbeit  
(Institute for the Study of Labor)  
  
Laser Zentrum Hannover  
(Laser Center Hannover)

## Latvia

Latvijas Universitāte  
(University of Latvia)

## Poland

Uniwersytet Mikołaja Kopernika  
(Nicolaus Copernicus University)  
  
Politechnika Warszawska  
(Warsaw University of Technology)



Romania

**Institutul National de Fizica Laserilor, Plasmei si Radiatiilor**  
(National institute for laser, plasma and radiation physics)

Ukraine

**The National Academy of Sciences of Ukraine**



# Invited lectures in the USA and Canada

Jean-luc has been invited to deliver lectures  
or to run workshops on these campuses.



## Invited lectures in Latin America

Jean-luc has been invited to deliver lectures  
or to run workshops on these campuses.

Chile

**Pontificia Universidad Católica de Chile**

Santiago

**Universidad de Chile**

Santiago

**Universidad de Talca**

Curicó

Mexico

**Centro de Investigaciones en Óptica**

León, Guanajuato

**Tecnológico de Monterrey**

Monterrey, Nuevo León

**Universidad de Guadalajara**

Guadalajara, Jalisco

**Universidad Panamericana**

Guadalajara, Jalisco



## Invited lectures in Asia

Jean-luc has been invited to deliver lectures  
or to run workshops on these campuses.

China

Beijing Jiaotong University, Beijing  
Beijing University of Posts and Telecommunications, Beijing  
Capital Normal University, Beijing  
Nankai University, Tianjin  
Peking University, Beijing

India

National Institute of Technology, Tiruchirappalli



## Book or anthology contributions

On professional  
communication

*Trees, maps, and theorems*

Principiæ, Kraainem, Belgium (2009)

Jean-luc Doumont and Philippe Vandenbroeck

**Choosing the right graph**

in *Writing and Speaking in the Technology Professions:*

*A Practical Guide*, 2nd Ed., David F. Beer, ed., Wiley (Jul 2003)

**Tips for writing readable articles**

in *Basic Concepts in Nuclear Research*, Da Ruan, ed.,

Belgian Nuclear Research Centre, Mol, Belgium (1994)

On applied physics

**Laser beam and resonator calculations on desktop computers**

PhD dissertation, Stanford University (1991)



## Invited contributions

On professional  
communication

### **Managing a research group**

*Optics & Photonics News* 22:9, 10-11 (Sep 2011)

### **Communication skills for researchers: don't settle for status quo**

*Optics & Photonics News* 22:6, 10-11 (Jun 2011)

### **Creating effective presentation slides**

*Optics & Photonics News* 22:3, 12-14 (Mar 2011)

### **Fighting the noise in your communication**

*Optics and Photonics Focus* 9, Story 5 (Jun 2010)

### **Effective hyperlinks: what we can learn from books**

*Hyperviews:Online* (Summer 2001)

Reprinted in *Blue Pencil* 39:2, 14-16 (Oct 2001)

On Internet

Jean Marc Dieu and Jean-luc Doumont

### **Médecine sur le Web**

*Bizz* 11, 64 (Oct 2000)



## Articles in peer-reviewed journals

On professional  
communication

**The cognitive style of Powerpoint: slides are not all evil**  
*Technical Communication* 52:1, 64–70 (Feb 2005)

**The three laws of professional communication**  
*IEEE Trans. Prof. Commun.* 45:4, 291–296 (Dec 2002)

**Magical numbers: the seven-plus-or-minus-two myth**  
*IEEE Trans. Prof. Commun.* 45:2, 123–127 (Jun 2002)

**Verbal versus visual: a word is worth a thousand pictures, too**  
*Technical Communication* 49:2, 219–224 (May 2002)

On professional  
typesetting

**Drawing effective (and beautiful) graphs with T<sub>E</sub>X**  
*TUGboat* 20:3, 202–207 (1999)  
Reprinted in *MAPS* 27, 29–35 (2002)

**Doing it my way: a lone T<sub>E</sub>Xer in the real world**  
*TUGboat* 20:3, 255–261 (1999)  
Reprinted in *MAPS* 27, 23–28 (2002)

**Pascal pretty-printing: an example of preprocessing within T<sub>E</sub>X**  
*TUGboat* 15:3, 302–308 (1994)

On applied physics

Thomas F. Johnston, Jr., Michael W. Sasnett,  
Jean-luc Doumont, and Anthony E. Siegman  
**Laser beam quality versus aperture size in a CW argon-ion laser**  
*Opt. Lett.* 17, 198–200 (1992)

Jean-luc Doumont, Paul L. Mussche, and Anthony E. Siegman  
**Excess spontaneous emission factor in variable-reflectivity-mirror lasers**  
*IEEE J. Quantum Electron.* QE-25, 1960–1967 (1989)

Jean-Paul Dewulf *et al.*, Jean-luc Doumont *et al.*  
**Test-results of the streamer-tube system of the CHARM-II neutrino detector**  
*Nucl. Instrum. Methods A* 252, 443–449 (1986)



# Columns

## Ask the expert

column in *IEEE Prof. Commun. Soc. Newsletter*

Presentations that must be prepared in a hurry (51:9, Oct 2007)

Providing feedback to writers and designers (50:12, Dec 2006)

PowerPoint animations (50:10, Oct 2006)

Executive summaries (50:8, Aug 2006)

Three major mistakes of scientific presentations (49:3, Apr 2005)

## Good intent, poor outcome

column in *IEEE Prof. Commun. Soc. Newsletter*

The patent-pending, deadwood-pruning, chocolate-tasting

M&M's® method, 48:6, 14 (Nov-Dec 2004)

An abuse of engineeringese was observed, 48:5, 8 (Sep-Oct 2004)

Long, long laundry lists, 48:4, 12 (Jul-Aug 2004)

Space: the final luxury, 48:3, 10 (May-Jun 2004)

Low-tech does it, 48:2, 17 (Mar-Apr 2004)

No news is news, 48:1, 17 (Jan-Feb 2004)

The Microsoft equation, 47:6, 16 (Nov-Dec 2003)

This is definitely not my room, 47:5, 14 (Sep-Oct 2003)

Take a left at the white house, 47:4, 11 (Jul-Aug 2003)

Audi LZS 936 has lights on, 47:3, 9 (May-Jun 2003)

We... we... we..., 47:2, 9 (Mar-Apr 2003)

Scientists and engineers never do anything, 47:1, 9 (Jan-Feb 2003)

Compared to what?, 46:6, 10 (Nov-Dec 2002), reprinted in *IEEE LEOS*

*Newsletter* 17:2 (Apr 2003) and in *The Exchange* 12:4, 10 (Dec 2005)

The forest and the trees, 46:5, 8 (Sep-Oct 2002)

Harry Potter and the secondary audience, 46:4, 12 (Jul-Aug 2002)

Think big!, 46:3, 7 (May-Jun 2002)

Showing off with your beamer, are you?, 46:2, 18 (Mar-Apr 2002)

Unchained, 46:1, 10 (Jan-Feb 2002)

Sitting man, 45:6, 12 (Nov-Dec 2001), reprinted in *The Exchange* 12:3, 6 (Aug 2005)

Indeed!, 45:5, 13 (Sep-Oct 2001), reprinted in *The Exchange* 12:2, 7 (Apr 2005)

Columbo, not Poirot, 45:4, 19 (Jul-Aug 2001),

reprinted in *The Exchange* 12:1, 1 (Feb 2005)

Lest we all go to hell, 45:3, 14 (May-Jun 2001)

A thousand and one words, 45:2, 13 (Mar-Apr 2001)

How boring!, 45:1, 5 (Jan-Feb 2001)

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Please rewrite, 44:6, 9 (Nov-Dec 2000),  
reprinted in *Communicator* 7:3, 28 (Fall 2001)  
Mind your own business!, 44:5, 18 (Sep-Oct 2000)  
Simplify, simplify?, 44:4, 19 (Jul-Aug 2000)  
I see... but can't read it, 44:3, 8 (May-Jun 2000)  
Click here, 44:2, 18 (Mar-Apr 2000)  
My name is Joe, 44:1, 7 (Jan-Feb 2000)

Where's the beef?, 43:6, 17 (Nov-Dec 1999)  
Striptease!, 43:5, 18 (Sep-Oct 1999)  
Going down to answer the call, 43:4, 11 (Jul-Aug 1999)

#### A teaching tip

column in *Intercom*

To video or not to video, 52:4, 40-41 (Apr 2005)  
Mathematics to the rescue of readability, 51:8, 38-39 (Sep 2004)  
Contextualizing the learning, with Susan Codone, 51:4, 34-36 (Apr 2004)  
Asking questions, 51:1, 40-41 (Jan 2004)  
Building group spirit, 50:5, 40-42 (May 2003)  
Setting the stage, 50:3, 41-43 (Mar 2003)  
Running group critique, 50:1, 40-41 (Jan 2003)  
Proper introductions, 49:8, 31/41 (Sep 2002)  
Gentle feedback that encourages learning, 49:2, 39-40 (Feb 2002)

#### Book reviews

in *IEEE Trans. Prof. Commun.*

Mary Munter, Guide to managerial communication:  
effective business writing and speaking, 44:2, 151-152 (Jun 2001)  
Patrick Dias *et al.*, Worlds apart: acting and writing  
in academic and workplace contexts, 43:2, 226-227 (Jun 2000)

