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

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

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

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)

(continued)
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

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)TeX**
  - 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

(continued)
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)

Integrating \TeX{} and PDF seamlessly in pdf\TeX{}
TUG 2011: Thiruvananthapuram, India (19–21 Oct 2011)

Quantum space: designing pages on grids

Drawing effective (and beautiful) graphs with \TeX{} [best paper]

Doing it my way: a lone \TeX{}er in the real world [best paper]

Pascal pretty-printing: an example of preprocessing within \TeX{}
TUG 94: Santa Barbara, California (31 Jul – 4 Aug 1994)

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)

(continued)
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. Mussen, 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 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 Photonics Europe 2008: Strasbourg, France (7–11 Apr 2008)

Effective scientific papers
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)

Making the most of your presentation
12e journées scientifiques du (RF)²B: 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

Structured writing

Web sites: structure and navigation

Effective scientific writing
Convention of the DFG Priority Programme SPP 1239:
Duisburg, Germany (16–19 Feb 2009)

(continued)
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)

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
- Forschungsinstut 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
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
Principiae, Kraainem, Belgium (2009)

Jean-luc Doumont and Philippe Vandenbroeck
Choosing the right graph

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

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|                               | 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

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

On professional typesetting

Drawing effective (and beautiful) graphs with T\TeX
*TUGboat* 20:3, 202–207 (1999)

Doing it my way: a lone T\TeXer in the real world

Pascal pretty-printing: an example of preprocessing within T\TeX
*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

Jean-luc Doumont, Paul L. Mussche, and Anthony E. Siegman
Excess spontaneous emission factor in variable-reflectivity-mirror lasers

Jean-Paul Dewulf et al., Jean-luc Doumont et al.
Test-results of the streamer-tube system of the CHARM-II neutrino detector
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

An abuse of engineeringsese was observed, 48:5, 8 (Sep–Oct 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)

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)

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