

The International Congress of
**ADVANCED TECHNOLOGIES &
TREATMENTS FOR GLAUCOMA**
October 29-31, 2015

OCTOBER 29-31, 2015
POLITECNICO DI MILANO, MILAN, ITALY



RECAP

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MILANO 1863

The International Congress of
**ADVANCED TECHNOLOGIES &
TREATMENTS FOR GLAUCOMA**
October 29-31, 2015

Disclaimer

Glaucoma Congress organizes the International Congress of Advanced Technologies and Treatments for Glaucoma (ICATTG) with the aim of providing education and scientific discourse in the field of glaucoma. Glaucoma Congress accepts no responsibility for any products, presentations, opinions, statements or positions expressed by speakers at the congress. Inclusion of material in the scientific program does not contribute an endorsement by Glaucoma Congress.

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Event Recap

The first International Congress of Advanced Technologies & Treatments for Glaucoma was held at Politecnico di Milano from October 29–31, 2015. The event was an overwhelming success with participants from every corner of the world.

The congress started off strong with the keynote lecture of Prof. Alon Harris on new insights into understanding risk factors in glaucoma and how modeling can be an important tool for future progress. The following sessions saw a mix of world class speakers and young researchers, sharing state-of-the-art knowledge on glaucoma and ophthalmology. Topics that were thoroughly examined: glaucoma as a two pressure disease, multidisciplinary approaches in glaucoma, glaucoma imaging, and novel therapies and personalized medicine in glaucoma.



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Facts & Numbers

The conference had about **150 participants** from **over 35 countries** and from six continents. We had excellent attendee representation with participants from Australia, Belgium, Croatia, Czech Republic, Denmark, Egypt, Finland, France, Germany, Greece, Hong Kong, India, Ireland, Israel, Italy, Lithuania, Netherlands, Paraguay, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sudan, Switzerland, Turkey, Ukraine, United Kingdom and the United States.

International colleagues and researchers presented **26 oral presentations** and **10 posters**. The invited speakers hailed from **10 different countries**. The level of scientific quality of the presentations and interactions was deemed to be excellent by those in attendance. We were also honored to have Mr. Francesco Cappelli, Delegate of the Mayor of the City of Milano, Prof. Manuela Grecchi, Vice-Rector Politecnico di Milano, Prof. Giancarlo Spinelli, Rector's Delegate for International Networks Politecnico di Milano, and Prof. Piercesare Secchi, Head of the Department of Mathematics Politecnico di Milano, opening the congress.

The following invited speakers gave plenary lectures at the meeting:
(please see the [online program book](#) for topics covered and further details)

Roberto Carassa

Associate Professor in Ophthalmology; Director of Italian Glaucoma Center (Centro Italiano Glaucoma [CIG]). Milan, Italy

Lucia Carichino

PhD student in Mathematics. Indiana University Purdue University Indianapolis, Department of Mathematical Sciences, Indianapolis. IN, USA

Simone Cassani

PhD student in Mathematics. Indiana University-Purdue University at Indianapolis (IUPUI), Indianapolis. IN, USA

Paola Causin

Assistant Professor, Dept. of Mathematics. Università degli Studi di Milano, Milan, Italy

Maria Laura Costantino

Professor, Politecnico di Milano. Department of Chemistry, Materials and Chemical Engineering "Giulio Natta". Milan, Italy

Alessandra Guglielmi

Associate Professor, Department of Mathematics. Politecnico di Milano. Milan, Italy

Giovanna Guidoboni

Associate professor; Chair Gutenberg, Dept. Mathematical Sciences, IUPUI, Indianapolis, IN, USA; LabEx IRMIA, Strasbourg, France; University of Strasbourg, France; Dept. Ophthalmology, IU School of Medicine, Indianapolis, IN, USA

Alon Harris

Professor of Ophthalmology, Professor of Cellular and Integrative Physiology, Director Clinical Research, Glick eye Institute, Indiana University Medical Center. IN, USA

Katherine Hutchins

Medical student. Department of Ophthalmology, Indiana University School of Medicine. Indianapolis, IN, USA

Michele Iester

Associate Professor in Ophthalmology. Laboratorio clinico anatomo-funzionale per la diagnosi e il trattamento del glaucoma e della malattie neurooftalmologiche, Clinica Oculistica, DiNOGMI, University of Genoa, Italy

Michel Janicot

Head of preclinical research & development Isarna Therapeutics. Munich, Germany

Ingrida Januleviciene

Ophthalmologist. Head of Outpatient department, Eye Clinic of Lithuanian University of Health Sciences. Kaunas, Lithuania

Peter Koch Jensen

Eye consultant. Eye Department, Roskilde Sygehus. Roskilde, Denmark

Francesca Malgaroli

PhD student. Politecnico di Milano. Milan, Italy

Aurelio Giancarlo Mauri

Researcher. Dipartimento di Matematica Politecnico di Milano. Milan, Italy

Frances Meier-Gibbons

Glaucoma specialist. Founding member of the Swiss Glaucoma Group

Stefano Miglior

Full Professor in Ophthalmology; Director of the Ophthalmology Clinic. Policlinico di Monza, School of medicine and surgery, Università degli Studi di Milano-Bicocca. Monza, Italy

Anna Pandolfi

Associate Professor in Structural Mechanics. Politecnico di Milano, Italy; Visiting Associate in Aerospace at Caltech, Pasadena, CA, USA. Dipartimento di Ingegneria Civile e Ambientale, Politecnico di Milano. Milan, Italy

Christophe Prud'homme

Professor at Institute of Advanced Research in Mathematics; Director of the Center for Modeling and Simulation in Strasbourg; Manager for the French Agency for Mathematics in Interaction with Enterprises and Society. University of Strasbourg. Strasbourg, France

Luciano Quaranta

Associate Professor in Ophthalmology. University of Brescia. Brescia, Italy

Arminas Ragauskas

Head of Health Telematics Science University at KTU; Professor of Kaunas University of Technology (KTU). Kaunas, Lithuania

Luca Rossetti

Director Eye Clinic University of Milan San Paolo Hospital; Associate Professor of Ophthalmology, University of Milan. University of Milan; San Paolo Hospital. Milan, Italy

Riccardo Sacco

Associate Professor in Numerical Analysis. Dipartimento di Matematica Politecnico di Milano. Milan, Italy

Irene Simonini

PhD student. Dipartimento di Matematica, Politecnico di Milano. Milan, Italy

Marcela Szopos

Associate Professor, Mathematics, Institut de Recherche Mathématique, Avancée, Université de Strasbourg, France; Officer for Interdisciplinary research programs, Center for Modeling and Simulation, Strasbourg, France

Emanuele Trucco

NRP Chair of Computational Vision; Head of Discipline; Honorary Clinical Research, NHS Tayside School of Science and Engineering(Computing), University of Dundee, Dundee, UK

Wulff Ulrich

Professor of Physiology and Professor of Ophthalmology. Leipzig, Germany

Paolo Zunino

MOX, Department of mathematics. Politecnico di Milano, Milan, Italy



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The Sessions

All sessions have been captured. Please click on a window below to watch the video on Youtube. Please visit the website to view [the full program](#). To view a specific segment of the video, please click on the name of the speaker.

THURSDAY, OCTOBER 29

Keynote Lecture

NEW INSIGHTS INTO UNDERSTANDING RISK FACTORS IN GLAUCOMA: THE FUTURE.

Speaker: [A. Harris](#)



FRIDAY, OCTOBER 30

Session 1

GLAUCOMA AS A TWO PRESSURE DISEASE.

Speakers: [I. Januleviciene](#), [A. Ragauskas](#), [W.D. Ulrich](#), [A. Guglielmi](#), [M. Szopos](#), [L. Quaranta](#), [M. Iester](#).



Session 2

MULTIDISCIPLINARY APPROACHES IN GLAUCOMA.

Speakers: [M.L. Costantino](#), [P. Causin](#), [A. Mauri](#), [S. Cassani](#), [F. Malgaroli](#).



Session 3

GLAUCOMA IMAGING

Speakers: [F. Meier-Gibbons](#), [R. Carassa](#), [C. Prud'homme](#), [A. Pandolfi](#), [P. Zunino](#), [S. Miglior](#), [K. Hutchins](#).

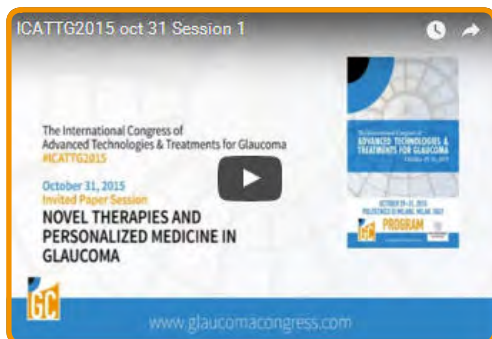


SATURDAY, OCTOBER 31

Invited Paper Session

NOVEL THERAPIES AND PERSONALIZED MEDICINE IN GLAUCOMA

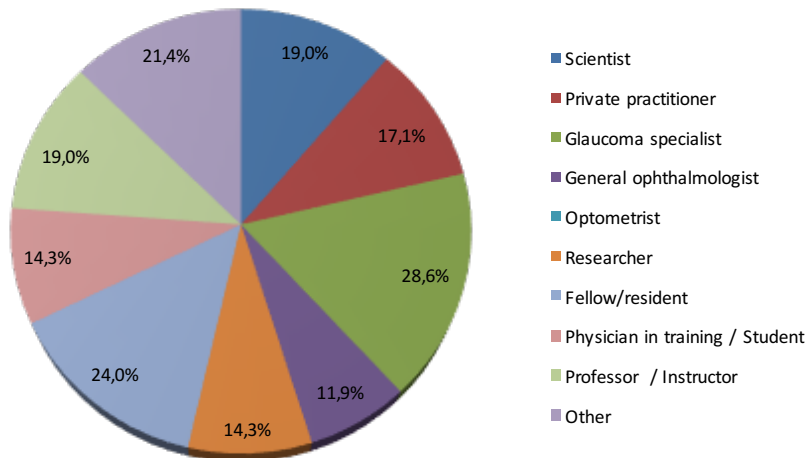
Speakers: [L. Rossetti](#), [M. Janicot](#), [P.K. Jensen](#), [E. Trucco](#), [L. Carichino](#), [I. Simonini](#).



Feedback & Evaluation

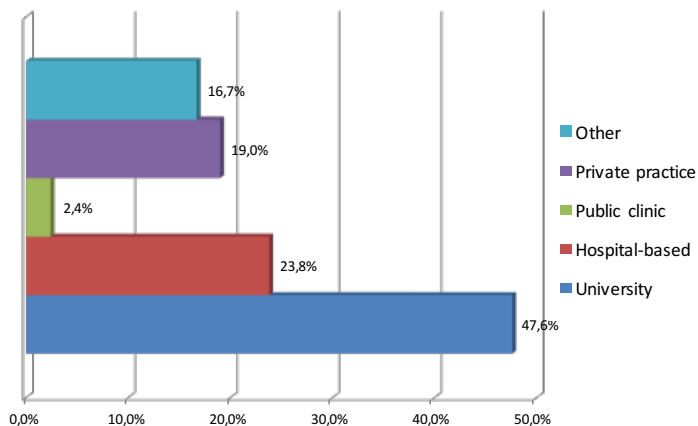
We asked participants and speakers to share their thoughts and comments on the past event in the form of a questionnaire. We, as an organizing body, want to learn from our mistakes and, at the same time, build on the strengths of ICATTG 2015 to further improve next years' congress.

Here is what we found:



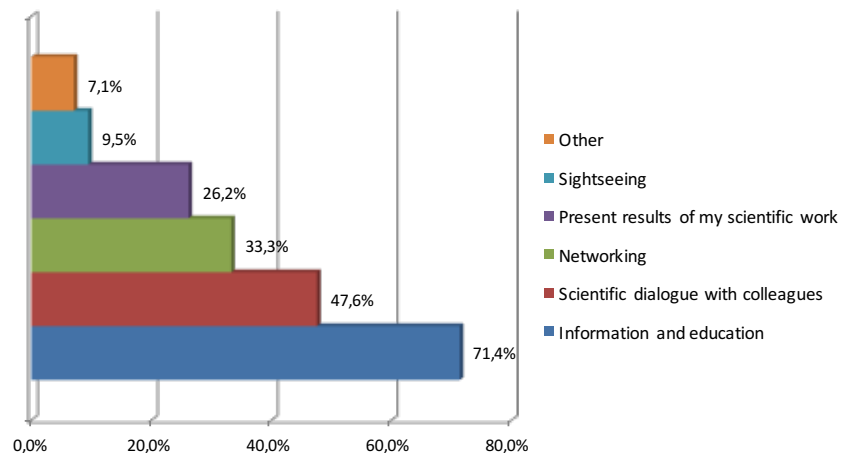
'Glaucoma specialist' is the biggest group (28.6%) among the professional respondents.

Participants' workplace:



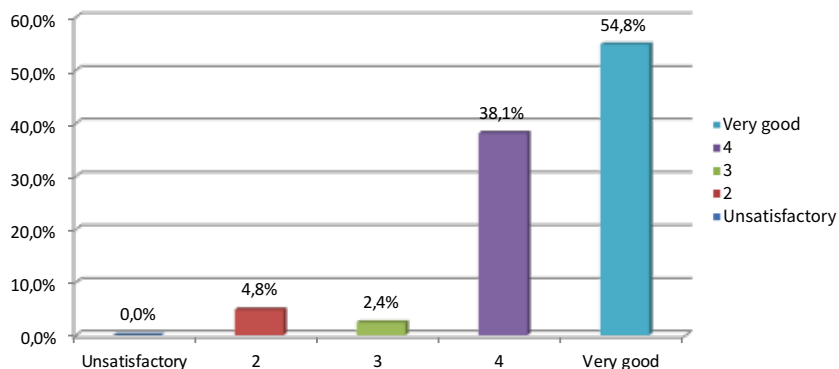
Most of the respondents (47.6%) work at an university.

Participants' expectations:



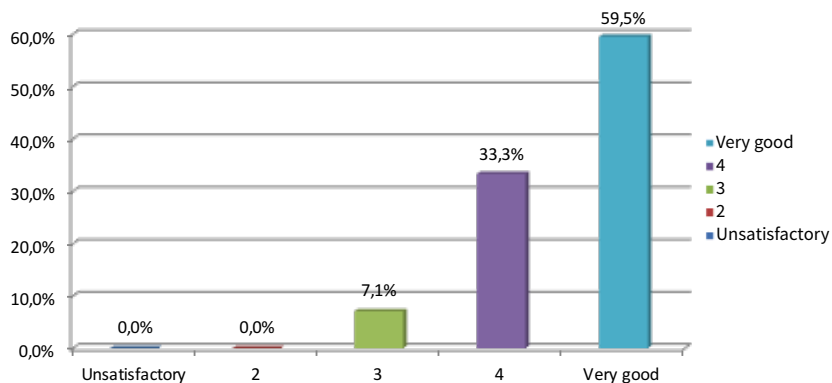
Most participants joined ICATTG15 to obtain information and education (71.4%).

General organization:



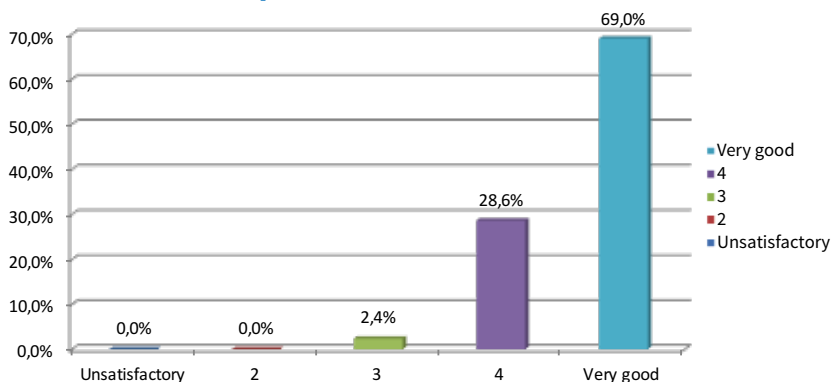
54.8% of the respondents rated the general organization of ICATTG15 'very good'. 38.1% rated the congress organization 'good'.

Relevance of topics discussed:



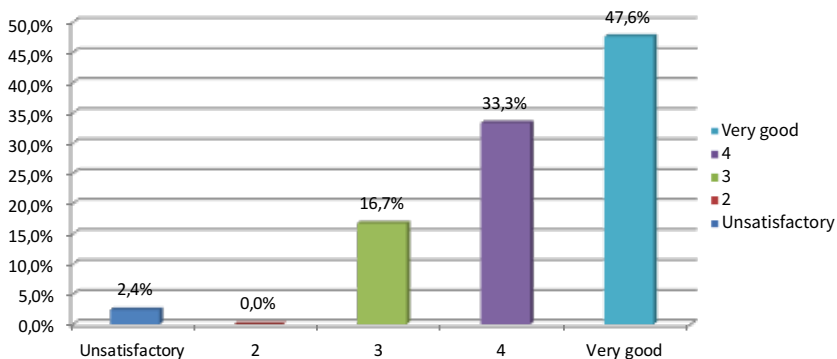
59.5% of the respondents rated the relevance of the topics that were included in the program 'very good'.

Contribution of experts:



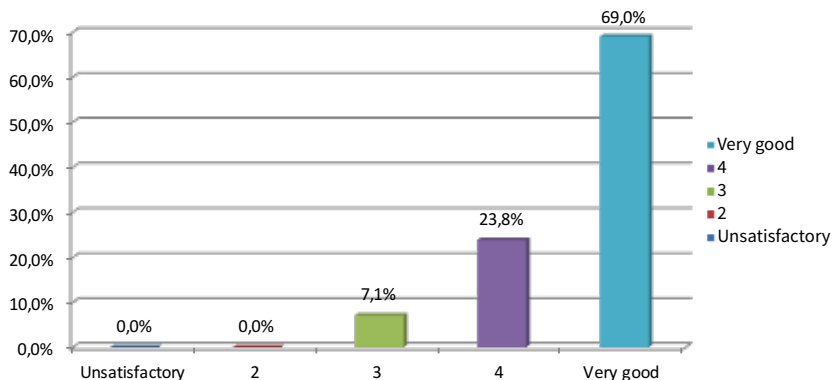
69% of the respondents rated the quality of the contribution of experts to the general discussions and presentations 'very good'.

Time allocated to discussion:



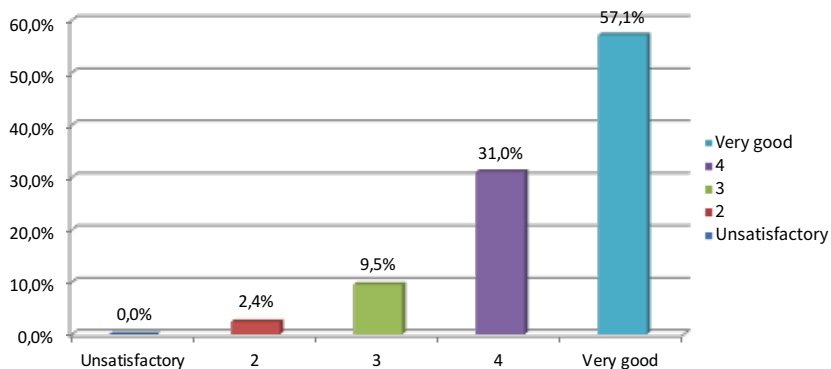
The time allocated to discussion as part of the whole program was rated 'good' by 33.3% of the respondents; 47.6% of the respondents found the discussions 'very good'.

The evaluation of the program book:



69% of the respondents found the program book to be 'very good'.

Evaluation of the venue and location:



57.1% of the respondents assessed the location (Politecnico di Milano) for ICATTG15 'very good'.

The meeting was notable for the inclusion of open discussions after each session, in which all attendees actively participated. The social program was small, but intimately executed. Congress attendees had an opportunity to meet each-other on a more intimate, one-to-one basis along with food and drinks during the breaks between sessions.

Furthermore, there was a lovely welcome reception at the Politecnico di Milano on the first day, followed by a wonderful 3-course lunch prepared by a local Italian *ristorazione* on the second day.



ICATTG16?

Ultimately, we are all very pleased with the international collegueship that was clearly evident at the congress and the quality of the science. The historical, beautiful setting of Politecnico di Milano provided an amazing hub for ICATTG 2015, making our experience even more enjoyable thanks to the warm Italian hospitality and their wonderful local cuisine.

We look forward to meeting all those who joined us in Milan, as well as new participants, in the Fall of 2016 for the second congress scheduled to be held once more at Politecnico di Milano. We look forward to working together with the program committee to make the next meeting even better.

We hope to see you soon!

On behalf of the organizing committee:

Giovanna Guidoboni (Co-Chair)

Alon Harris (Co-Chair)

Ingrida Januleviciene

Riccardo Sacco





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