

## *Curriculum vitae*

### **RESEARCH & TEACHING INTEREST**

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As an experimental engineer and physicist, I seek to invent and innovate future terahertz technologies by on-chip integration and photonic design, e.g. in (quantum) sources, novel metrology and sensing techniques.

### **PERSONAL INFORMATION**

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**Birth details** 15. December 1988, Brasov, Romania  
**Personal details** married, one wonderful daughter (born 2022)  
**Citizenship** Swiss and Romanian

### **EDUCATION**

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**10/ 2013 – 3/2018** **Ph.D. in Physics**, ETH Zurich, Switzerland (defense date: 23/03/2018)  
Faculty Advisor: Jérôme Faist, Prof. of Physics  
Project: Terahertz quantum metrology with ultra-short pulses.

**10/2011 – 6/2013** **M.Sc. in Optics and Photonics with distinction (1.1/1.0)**, KIT, Germany  
**9/2010 – 7/2011** **ERASMUS exchange year**, EPF Lausanne, Switzerland  
**10/2007 – 8/2010** **B.Sc. in Electr. Eng. and Information Technology (1.6/1.0)**, KIT, Germany

### **RESEARCH EXPERIENCE**

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**1/2022 – present** **Tenure Track Assistant Professor in Microengineering**  
EPF Lausanne, Switzerland  
Head of Hybrid Photonics Laboratory (HYLAB)

**1/2022 – present** **Research Associate in Applied Physics**  
John A. Paulson School of Engineering and Applied Sciences, Harvard, USA  
Faculty Advisor: Federico Capasso, Prof. of Applied Physics

**3/2019 – 12/2021** **Postdoctoral Fellow in Applied Physics**  
John A. Paulson School of Engineering and Applied Sciences, Harvard, USA  
Faculty Advisor: Federico Capasso, Prof. of Applied Physics  
Project: High-speed tunable metasurfaces and integrated silicon photonics devices.

**11/2018 – 2/2019** **Visiting Postdoctoral Fellow in Quantum Opto-electronics**  
Ultrafast Quantum Electronics and Photonics, Regensburg University, Germany  
Faculty Advisor: Rupert Huber, Prof. of Physics  
Project: Quantum light from switched ultra-strongly coupled light-matter systems.

**3/2018 – 3/2019** **Postdoctoral Fellow in Quantum Opto-electronics**  
Institute for Quantum Electronics, ETH Zurich, Switzerland  
Faculty Advisor: Jérôme Faist, Prof. of Physics  
Project: Integrated electro-optics at terahertz frequencies for quantum cavity electro-dynamics.

### **TEACHING & ADVISING EXPERIENCE**

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#### **Lecturer**

Electrical circuits II, EPFL (Microengineering Bachelor, ~200 students)  
Transducers for classical and quantum applications, EPFL (Microengineering and EE, English), course offered for the first time in fall 2022.

Fundamentals of integrated photonic devices, EPFL (Microengineering and EE, English), theory combined with hands-on simulations in CST Microwave, offered for the first time in fall 2023.

Advanced microfabrication practicals, EPFL (Microengineering, English), hands-on course where students build and measure their own photonic chips, offered for the first time in spring 2024.

### **Advising Experience**

HYLAB: Currently advising 8 PhD students (Francesco Bertot, Yazan Lampert, Zahra Basiri, Aleksei Gaier, Xuhui Cao, Tianyi Zhang, Gabriel Juelg and Kailyn Vaillancourt) and 3 postdocs (Jiawen Liu, Alessandro Tomasino and Andre Garcia Primo).

### **SELECTED AWARDS & FELLOWSHIPS**

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**2025** Fresnel Prize for Applied Aspects of the European Physical Society – QEOD (awarded every two years),

**2023** Early Career Advisory Board of APL Photonics,

**2022** 3<sup>rd</sup> place Women in ultrafast science global award from Ultrafast Science,

**2021** PRIMA Independent Grant from the Swiss National Science Foundation,

**2019** Hans Eggenberger Prize and Independent Project Grant,

**2019** SNSF Early Mobility Fellowship Grant,

**2019** Ph.D. thesis prize of the European Physical Society – QEOD (awarded every two years),

**2019** Ph.D. thesis prize from the Swiss Physical Society in the area of Metrology (awarded every year),

**2017** 1st place best student presentation award at IRMMW, Cancun, Mexico,

**2017** best student paper award at SPIE Photonics West, San Francisco, USA,

**2016** best student paper award at SPIE Photonics West, San Francisco, USA,

**2012** KSOP master scholarship,

**2011** FEMTEC career building program for female students in STEM fields,

**2009** DAAD Rise in North America,

**2009** SyBBURE for summer internship at Vanderbilt, TN, USA,

**2008** Anna-Ruths undergraduate scholarship.

### **INSTITUTIONAL SERVICE**

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#### **Committee Activity**

**2024-present** Working group of advanced science building (ASB), EPFL, Switzerland

**2024-present** EDPO Doctoral School Committee, EPFL, Switzerland

**2023-present** EDMI Doctoral School Committee, EPFL, Switzerland

**2022-present** Deputy Director of Quantum Science Center, EPFL, Switzerland

**2021-2023** Social Media Officer, OSA Metamaterials Technical Group, USA

#### **Mentorship Activity**

**2022-present** EPFL PhD students in Microengineering, Photonics and Electr. Engineering, Switzerland

**2022-present** Fix the Leaky Pipeline, Switzerland

**2021** Harvard graduate students, USA

#### **Referee activity**

Reviewed articles in various journals, including from the Nature and Science family, such as Nature, Science, Nature Electronics, Nature Communications and Light: Science and Applications, from the American Physical Society, such as APL Photonics etc.

#### **Grant proposal review**

Reviewed grant proposals for various agencies, including ANR (Agence Nationale de la Recherche, France)

#### **Leadership**

Coordinated a total of 5 Swiss partners (2 start-ups and 3 research groups) within the EU-Canada-Switzerland-UK MIRAQLS project funded by Horizon Europe.

### **Conference organization**

- 2026** European Conference on Integrated Optics (ECIO), Zurich Switzerland, General Co-chair.
- 2025** MRS, Symposium on “Emerging Dynamic Materials in Integrated Optics and Photonics”
- 2023** Young Faculty Meeting, Platform Mathematics, Astronomy, Physics, Switzerland
- 2022** ECOC, CLEO focus session, Switzerland
- 2022** ECOC, Symposium on „Prospects on the usage of millimeterwave bands“, Switzerland

### **APPROVED RESEARCH PROJECTS**

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- 2025** SERI quantum call, Superconducting terahertz circuits powered by photonics.
- 2025** EU-Marie Curie network SPARKLE, Engineering materials via vacuum fields
- 2024** QNET internal equipment call, Read-out of superconducting photonic circuits.
- 2024** SNSF-SPARK project, Photonic damascene process for molecular glasses.
- 2023** SNSF-NSF Lead Agency grant, Lithium niobate based terahertz photonics.
- 2022** Horizon Europe Grant EU-Canada Quantum Technologies,
- 2022** SNSF-PRIMA Grant, Quantum-level sensitive terahertz field detectors.

## Publication List

### 1. PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS

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#### 2025

1. A. Gaier, K. Mamian, S. Rajabali, Y. Lampert, J. Liu, L. Magalhaes, A. Shams-Ansari, M. Loncar, **I.-C. Benea-Chelmus**, Wireless millimeterwave electro-optics on thin film lithium niobate, [arxiv:2505.04585](https://arxiv.org/abs/2505.04585) (2025)
2. Y. Lampert, A. Shams-Ansari, A. Gaier, A. Tomasino, S. Rajabali, L. Magalhaes, M. Loncar, **I.-C. Benea-Chelmus**, Photonics-integrated terahertz transmission lines, [Nature Communications 16, 1 \(2025\)](https://doi.org/10.1038/s41467-025-6111-1)
  - [EPFL press release](#): A hybrid photonic-terahertz chip for communications and sensing
  - [OPN news](#): Hybrid photonic-terahertz chips for Next-Gen technologies
3. A. Tomasino, A. Shams-Ansari, M. Loncar, **I.-C. Benea-Chelmus**, Large-area photonic circuits for terahertz detection and beam profiling, *in press in Light: Science and Applications* (2025)
  - Corresponding [arxiv:2410.20407](https://arxiv.org/abs/2410.20407)
4. **I.-C. Benea-Chelmus**, J. Faist, A. Leitenstorfer, A.S. Moskalenko, I. Pupeza, D. Seletskiy, K.L. Vodopyanov, Electro-optic sampling of classical and quantum light, [Optica 12 \(4\)](https://doi.org/10.1364/OPTICA.12.000000). (2025)
  - Invited mini-review
5. J. Lu, **I.-C. Benea-Chelmus**, V. Ginis, M. Ossiander, F. Capasso, Cascaded-mode resonators: spectral shaping and linewidth engineering, [Science Advances 11, 12](https://doi.org/10.1126/sciadv.1234567) (2025)

#### 2023

6. S. Mason and **I.-C. Benea-Chelmus**, Hybrid silicon-organic Huygens metasurfaces for phase modulation, [Optics Express 31 \(22\), 36161](https://doi.org/10.1364/OPTICS EXPRESS.31.0036161) (2023)
  - Editor's pick
7. S. Rajabali and **I.-C. Benea-Chelmus**, Present and future of integrated terahertz photonic devices, [APL Photonics 8 \(8\)](https://doi.org/10.1364/APLPHOTONICS.8.000808) (2023);
  - Invited
8. **I.-C. Benea-Chelmus**, and A. Tomasino, Resolving sub-cycle signatures: a perspective on hallmarks of terahertz field metrology, [Frontiers in Photonics 13](https://doi.org/10.1364/FRONTIERS IN PHOTONICS.13.000000) (2023);
9. A. Herter\*, A. Shams-Ansari\*, F.F. Settembrini, H. Warner, J Faist, M. Loncar, **I.-C. Benea-Chelmus**, Terahertz waveform generation from integrated lithium niobate platform, [Nature Communications 14, 11](https://doi.org/10.1038/s41467-023-4111-1) (2023);
  - [EPFL press release](#): Integrated photonic circuits could close the terahertz gap

10. M. Ossiander, M.L. Meretska, S. Rourke, C.M. Spaegele, X. Yin, **I.-C. Benea-Chelmus** and F. Capasso, Metasurface-stabilized microcavities, [\*Nature Communications\* \*\*14\*\*, 1114](#) (2023);
11. V. Ginis\*, **I.-C. Benea-Chelmus\***, J. Lu, M. Piccardo and F. Capasso, Resonators with tailored optical path by cascaded mode conversions, [\*Nature Communications\* \*\*14\*\*, 495](#) (2023);

## 2022

12. F. Bertot, A. Tomasino, **I.-C. Benea-Chelmus**, Design of a low-loss silicon organic terahertz field detector, [\*IRMMW-THz\*](#) (2022);
13. **I.-C. Benea-Chelmus**, S. Mason, M. Meretska, D. Elder, D. Kazakov, A. Shams-Ansari, L. Dalton and F. Capasso, Gigahertz free-space electro-optic modulators based on Mie resonances, [\*Nature Communications\* \*\*13\*\*, 3170](#) (2022).
  - [Harvard SEAS press release](#): High-speed efficient and compact modulators for free space

## 2021 and before

14. **I.-C. Benea-Chelmus**, M. Meretska, D. Elder, M. Tamagnone, L. Dalton and F. Capasso, Electro-optic spatial light modulator from an engineered organic layer, [\*Nature Communications\* \*\*12\*\* \(1\), 1-10](#) (2021);
  - [Harvard SEAS press release](#): Bridging optics and electronics
  - [Cover feature](#) in Laser Focus World: [article](#)
15. **I.-C. Benea-Chelmus\***, Y. Salamin\*, F. F. Settembrini, Y. Fedoryshyn, W. Heni, D. Elder, L. Dalton, J. Leuthold, and J. Faist, Electro-optic interface for ultrasensitive intracavity electric field measurements at microwave and terahertz frequencies, [\*Optica\* \*\*7\*\*, 5](#) (2020);
16. Y. Salamin\*, **I.-C. Benea-Chelmus\***, Y. Fedoryshyn, W. Heni, D. Elder, L. Dalton, J. Faist, and J. Leuthold, Compact and ultra-efficient broadband plasmonic terahertz field detector, [\*Nature Communications\* \*\*10\*\*, 5550](#) (2019);
  - [Electrical Engineering ETHZ News](#)
  - Contribution: I.C.B.C. co-designed the project and conceived the concept of time-domain metrology in nanodetectors. She built a dual-color setup and derived the theory.
17. **I.-C. Benea-Chelmus**, F. F. Settembrini, G. Scalari, and J. Faist, Electric field correlation measurements on the electromagnetic vacuum state, [\*Nature\* \*\*568\*\*, 202-206](#) (2019);
  - [Nature News and Views](#) article
  - [Nature Podcast](#) interview with Ileana-Cristina Benea-Chelmus
  - [ETHZ news](#)
18. **I.-C. Benea-Chelmus**, T. Zhu, F. F. Settembrini, C. Bonzon, E. Mavrona, D. Elder, W. Heni, J. Leuthold, L. Dalton, and J. Faist, Three-dimensional phase modulator at telecom wavelength acting as a Terahertz detector with an electro-optic bandwidth of 1.25 Terahertz, [\*ACS Photonics\* \*\*5\*\* \(4\), 1398-1403](#) (2018);
19. **I.-C. Benea-Chelmus**, M. Roesch, G. Scalari, M. Beck, and J. Faist, Intensity autocorrelation measurements of frequency combs in the terahertz range, [\*Phys. Rev. A\* \*\*96\*\*, 033821](#) (2017);

20. M. Rosch, **I.-C. Benea-Chelmus**, C. Bonzon, M. J. Suess, M. Beck, J. Faist, and G Scalari, Broadband monolithic extractor for metal-metal waveguide based terahertz quantum cascade laser frequency combs, *Appl. Phys. Lett.* **111**, 021106 (2017);
  21. **I.-C. Benea-Chelmus**, C. Bonzon, C. Maissen, G. Scalari, M. Beck, and J. Faist, Subcycle measurement of intensity correlations in the terahertz frequency range, *Phys. Rev. A* **93**, 043812 (2016);
  22. C. Bonzon, **I.-C. Benea-Chelmus**, K. Ohtani, M. Geiser, M. Beck, and J. Faist, Integrated patch and slot array antenna for terahertz quantum cascade lasers at 4.7 THz, *Appl. Phys. Lett.* **104**, 161102 (2014);
  23. K. Ohtani, D. Turcinkova, C. Bonzon, **I. C. Benea-Chelmus**, M. Beck, J. Faist, M. Justen, U. U Graf, M. Mertens and J. Stutzki, High performance 4.7 THz GaAs quantum cascade lasers based on four quantum wells, *New Journal of Physics* **18** (2016).
- \* equal contribution

## 2. PATENTS AND LICENCES

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1. A patent application with EP25152642.2 about a compact and high-speed electromagnetic radiation detector based on a photonic circuit has been filed by the TTO at EPFL (2025).
2. A patent application with [U.S. Serial No.: 18/213,691](#) about on-chip terahertz thin-film devices has been filed by the TTO at EPFL.
3. A provisional patent application with U.S. Serial No.: 63/148,595 about hybrid organic-nanostructured spatial light modulators has been filed by the President and Fellows of Harvard College at the office for patents at Harvard.
4. A patent application with [U.S. Serial No.: 63/310,992](#) about cascaded mode resonators by the President and Fellows of Harvard College at the office for patents at Harvard.

## 3. INVITED AND CONTRIBUTED PRESENTATIONS

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### Invited Talks at National and International Conferences:

#### 2025

1. I.-C. Benea-Chelmus, Millimeterwave and terahertz integrated photonics: transitioning to on-chip, mmWave workshop Stanford, USA;
2. I.-C. Benea-Chelmus, mmWave and terahertz integrated photonics: why LNOI?, Les Houches School on LNOI, France;
3. I.-C. Benea-Chelmus, CLEO US, USA;
4. I.-C. Benea-Chelmus, Millimeterwave integrated photonic circuits, INGEN, Switzerland;
5. I.-C. Benea-Chelmus, Integrated mmWave photonics, ECIO, UK;
6. I.-C. Benea-Chelmus, On-chip correlation measurements of cavity-confined fields, Molecular polaritonics Conference, Spain;
7. I.-C. Benea-Chelmus, Cavity Control Conference, Germany;

#### 2024

8. I.-C. Benea-Chelmus, Hybrid silicon photonics for terahertz applications, SPIE Photonics west, USA;
9. I.-C. Benea-Chelmus, Terahertz photonics on-chip, CLEO US, USA;

10. I.-C. Benea-Chelmsus, Integrated terahertz field sensing, MTSA, Denmark;
11. I.-C. Benea-Chelmsus, On-chip nonlinear photonics for terahertz research, OTST, Germany;
12. I.-C. Benea-Chelmsus, The future on-chip: exploring integrated photonic circuits, Swiss photonics PIC workshop, Switzerland;
13. I.-C. Benea-Chelmsus, Nonlinear photonics for classical and quantum measurements, International Day of Light Optica, Italy;
14. I.-C. Benea-Chelmsus, Integrated terahertz field sensing, Miraqls summer school, Poland;
15. I.-C. Benea-Chelmsus, Terahertz generation and detection in lithium niobate, Advanced Photonics Congress, Quebec, Canada;
16. I.-C. Benea-Chelmsus, Active nonlinear photonics, Metasurface Summer School, Graz, Austria.
17. I.C. Benea-Chelmsus, New avenues in classical and quantum science using integrated photonics, YSS, Vienna, Austria.

## 2023

18. I.-C. Benea-Chelmsus, Organic molecules for nanophotonics, Petals winter school, Italy;
19. I.-C. Benea-Chelmsus, On-chip detection of sub-cycle fields by nonlinear mixing, Fluctuations and Nonlinearities, Germany;
20. I.-C. Benea-Chelmsus, Photonic circuits for quantum sensing in the terahertz, Swiss Nano Convention, Switzerland;
21. I.-C. Benea-Chelmsus, Miniaturised terahertz chips, CLEO Europe, Germany;
22. I.-C. Benea-Chelmsus, On-chip generation and detection of terahertz waves, Optica Topical Meeting on Nonlinear Optics, USA;
23. I.-C. Benea-Chelmsus, Hybrid platforms for free-space active photonics, Optica Imaging Congress, August 14-17, USA;
24. I.-C. Benea-Chelmsus, Nonlinear nanophotonics on hybrid silicon-organic platform, EOSAM, September 11-15, France;

## 2022

25. I.C. Benea-Chelmsus, Integrated terahertz photonics, CNRS Optical systems and quantum devices for mid-infrared and terahertz technologies (2022), France;
26. I.C. Benea-Chelmsus, Integrated terahertz photonic devices, Optica - Optical Sensors and Sensing Congress (2022), Canada;
27. I.C. Benea-Chelmsus, Gigahertz active photonics enabled by electro-optic metasurface modulators, Plasmonica (2022), Italy;
28. I.C. Benea-Chelmsus, Free-space electro-optic modulators, META (2022), Spain;
29. I.C. Benea-Chelmsus, On-chip nonlinear terahertz emission and detection, IQCLSW (2022), Switzerland (*keynote talk*);
30. I.C. Benea-Chelmsus, Integrated photonics for the terahertz, IRMMW-THz (2022), Netherlands (*keynote talk*);
31. I.C. Benea-Chelmsus, Ultra-thin gigahertz-speed free-space electro-optic modulators, MWP (2022), USA;

## 2021

32. I.-C. Benea-Chelmsus, Electro-optic transducers for free-space and on-chip applications, EPFL Photonics Day (2021), Switzerland;
33. I.-C. Benea-Chelmsus, Integrated Terahertz Photonics, ISOT (2021), France;
34. I.-C. Benea-Chelmsus, Mie-driven free-space electro-optic transducers, OMN summer school (2021), USA;
35. I.-C. Benea-Chelmsus, Quantum-limited metrology of terahertz fields with integrated transducers, SPIE Optics+Photonics (2021), USA;
36. I.-C. Benea-Chelmsus, Nano-engineered electro-optic transducers for high-speed active photonics, OECC conference (2021), China;

## 2020

37. I.-C. Benea-Chelmsus, Y. Salamin, F. F. Settembrini, G. Scalari, Y. Fedoryshyn, W. Heni, D. Elder, L. Dalton, J. Leuthold, and J. Faist, Terahertz quantum optics in the time-domain: from field correlation measurements on vacuum field fluctuations in free space towards cavity electro-optics, *CLEO US* (2020);

## Before 2019

38. I.-C. Benea-Chelmsus, F. F. Settembrini, G. Scalari, and J. Faist, Electric field correlation measurements on the electromagnetic vacuum state, presented at *ITQW* (2019);
39. *SPS* conference (2019);
40. *CLEO-EQEC Europe* (2019);
41. *Arosa QSIT General Meeting* (2019);
42. *SFB Workshop Emergent relativistic phenomena in condensed matter* 2018;
43. I.-C. Benea-Chelmsus, F. F. Settembrini, G. Scalari, and J. Faist, Few photon correlations using electro-optic correlations, *OSA Advanced Photonics Congress* (2018);
44. I.-C. Benea-Chelmsus, C. Maissen, and J. Faist, Quantum theory of fast electro-optic correlations, *42nd International Conference on Infrared, Millimeter, and Terahertz Waves* (2017);
45. I.-C. Benea-Chelmsus, M. Roesch, G. Scalari, M. Beck, and J. Faist, Electric field and intensity correlation measurements of a Terahertz comb using electro-optic sampling, *Terahertz Science, Nanotechnologies and Applications* (2016).

## Invited Seminars, Symposia and Workshops

### 2025

46. I.-C. Benea-Chelmsus, Integrated photonics for mmWave applications, Metapix workshop, Sweden;

### 2024

47. I.-C. Benea-Chelmsus, Nonlinear integrated photonics for terahertz, MIT, June, Nelson group;
48. I.-C. Benea-Chelmsus, Nonlinear integrated photonics for terahertz, Polytechnique Montreal, July, Seletskiy group;

### 2023

- 49. I.-C. Benea-Chelmsus, Beyond a single cycle of light: photonics for microwaves and terahertz waves, CSEM, February 8, Switzerland;
- 50. I.-C. Benea-Chelmsus, Electro-optic microwave-to-optical conversion, KIT Hyperion seminar, March 16, Germany (remote);
- 51. I.-C. Benea-Chelmsus, Nonlinear integrated photonics for microwave and terahertz applications, ICFO, April 28, Spain;
- 52. I.-C. Benea-Chelmsus, Nonlinear integrated photonics for microwave and terahertz applications, Uni Paderborn, September 11, Germany;

## 2022

- 53. I.-C. Benea-Chelmsus, Beyond a single cycle of light: photonics for microwaves and terahertz waves, Uni Basel, December 6, Switzerland;
- 54. I.C. Benea-Chelmsus, Terahertz photonics, MAP Young Faculty Meeting (2022), Switzerland;
- 55. I.C. Benea-Chelmsus, Free-space modulators, Adolphe Merkel Institute (2022), Switzerland;
- 56. I.C. Benea-Chelmsus, Electro-optic metasurfaces, Workshop on Structured light and its applications (2022), Germany;

## 2021

- 57. I.-C. Benea-Chelmsus, Metrology and transduction of terahertz signals in integrated photonics, *IST Austria (2021)*;
- 58. I.-C. Benea-Chelmsus, Sub-cycle terahertz quantum metrology, *Max Planck Institute for the Structure and Dynamics of Matter, Germany (2021)*;

## 2020

- 59. I.-C. Benea-Chelmsus, Sub-cycle metrology of terahertz signals at the quantum limit, *Quantum Engineering Symposium (2020)*;
- 60. I.-C. Benea-Chelmsus, Terahertz quantum optics: from vacuum field fluctuations in free space to chip-based sensing of cavity confined fields, *Quantum/Photonics seminar Macquarie University (2020)*;

## Before 2019

- 61. I.-C. Benea-Chelmsus, Field correlation measurements on the electromagnetic vacuum state, *Seminar University of Regensburg (2018)*;
- 62. I.-C. Benea-Chelmsus, Measuring photon statistics with femtosecond pulses, *Seminar Harvard (2017)*;

## Contributed Conference Talks and Poster Presentations

>20 contributed talks and 6 posters at national and international conferences.

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## 4. COMMITTEE WORK and OUTREACH

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### Presence on PhD thesis defense committees

- 2022 Mohammad Samizadeg Nikooytablvandani, EPFL, Switzerland
- 2023 Nicolas Tappy, EPFL, Switzerland
- 2023 Mohammad Hamdi, EPFL, Switzerland
- 2023 Thomas Bonazzi, Paris Cite and Ecole Normale Superieure Paris, France
- 2024 Boris Zabelich, EPFL, Switzerland
- 2024 Fedele Tagarelli, EPFL, Switzerland
- 2024 Mikhail Churaev, EPFL, Switzerland
- 2024 Helena Weigand, ETHZ, Switzerland
- 2024 Valeria Vento, EPFL, Switzerland
- 2024 Pierre Kolejak, University of Lille and University of Ostrava, France and Czech Republic,
- 2024 Mustafa Yildirim, EPFL, Switzerland
- 2025 Annina Riedhauser, EPFL, Switzerland

#### **Student mentorship**

- 2022 ECOG student chapter discussion round on job perspectives in academia

## **5. STUDENTS and POSTDOCS accomplishments**

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- 2025 Postdoc Andre Garcia Primo wins QSE Postdoctoral Fellowship
  - 2025 PhD student Aleksei Gaier wins QSE seed grant to develop hand-held terahertz detectors
  - 2025 PhD student Yazan Lampert wins ZI travel grant for his work on photonics-integrated transmission lines
  - 2024 PhD student Yazan Lampert gets invited lecture at Hangzhou Terahertz School for his PhD work
  - 2024 Undergraduate Karen Mamian wins E3 internship sponsored by Dean office
  - 2024 Postdoc Jiawen Liu wins QSE Postdoctoral Fellowship
  - 2024 Undergraduate student Kailyn Vaillancourt wins QSE Master Inspire fellowship
  - 2023 PhD student Francesco Bertot wins 3<sup>rd</sup> place poster prize at Swiss Nanoconvention
  - 2023 Undergraduate Sydney Mason wins E3 internship sponsored by Dean office
  - 2023 Postdoc Alessandro Tomasino gets Keynote talk at IRMMW-THz conference for work done at HYLAB
-