

DAVIDE IANNUZZI

Vrije Universiteit Amsterdam - Faculty of Exact Sciences
De Boelelaan 1081
Amsterdam 1081HV, The Netherlands

Voice: +31 – (0)20 – 59 87577
Fax: +31 – (0)20 – 59 87992
email: d.iannuzzi@vu.nl

Education

- **MBA** (Dec. 2015), TIAS Business School, The Netherlands (*cum laude*)
- **Ph.D.** (Jan. 2002) Physics, University of Pavia, Italy (Grades: *excellent* – maximum honor possible)
- **Laurea Degree** (Dec. 1995) Physics, University of Padua, Italy (*cum laude*)

Employment (current)

- **Professor in Experimental Physics – University Research Chair** (Jan. 2013 – present)
Vrije Universiteit - Department of Physics and Astronomy, Amsterdam, The Netherlands
The University Research Chair is an honorary position at the Full Professor level, which is assigned to selected scholars who are acknowledged by their peers as upcoming leaders in their field.
- **Scientific Director** (Nov. 2016 – present)
Amsterdam Physics Research and Innovation Laboratory, Amsterdam, The Netherlands

Past Professional Experience

- **Associate Professor** (Mar. 2009 – Dec. 2012)
Vrije Universiteit - Department of Physics and Astronomy, Amsterdam, The Netherlands
- **Assistant Professor** (June 2005 – Feb. 2009)
Vrije Universiteit - Department of Physics and Astronomy, Amsterdam, The Netherlands
- **Postdoctoral Fellow** (Jan. 2003 – May 2005)
Harvard University - Division of Engineering and Applied Sciences, Cambridge, MA – USA
- **Postdoctoral Fellow** (Oct. 2001 – Dec. 2002)
Bell Labs - Lucent Technologies, Murray Hill, NJ – USA
- **Graduate Student and Research Associate** (Nov. 1998 – Oct. 2001)
University of Pavia - Nuclear and Theoretical Physics Department, Pavia, Italy
- **Graduate Fellow** (Jan. 1998 – Oct. 1998)
Ecole Supérieure de Physique et de Chimie Industrielles, Paris, France
- **Undergraduate Research Assistant** (Sep. 1994 – Dec. 1995)
University of Padua - Physics Department, Padua, Italy

Other Current Professional Activities

- Co-founder and co-owner, Optics11 BV, Amsterdam, The Netherlands
- Founder and owner, Sixpointsix BV, Hilversum, The Netherlands

Professional Qualifications

- Basis Kwalificatie - University Teaching Qualification (Oct. 2011), The Netherlands
- English Language Proficiency C1 for teaching and lecturing in English (May 2010), The Netherlands
- Professeur des universités - Milieux denses et matériaux: Qualifié (Feb. 2012), France

Teaching and Administrative Experience

- Teaching experience at the VU Amsterdam, NL
 - *Quantum Theory of Molecules & Matter*, MSc. Mol. Sim. & Photonics (2010-2014)
 - *Electromagnetism*, BSc. Physics (2011-2013)
 - *From Quantum to Molecules 2*, BSc. Medical & Natural Sci. (2010, 2011)
 - *Structure of the Matter*, BSc. Medical & Natural Sci. (2008-2010)
 - *Basic & Applied Quantum Mechanics*, Amsterdam MSc. Phys. Sci. (2006-2009)
- Teaching experience at the Amsterdam University College, NL
 - *Electrons, waves, and relativity* (2013-ongoing)
- Guest Lecturer
 - *Six Lectures on The Casimir Effect*, PhD School in Physics, University of Pavia, I (2004)
- Administrative duties
 - Coordinator of the MSc. Physics (Life & Health track), VU Amsterdam, NL (2010-2012, 2015-ongoing)
 - Coordinator of the MSc. Medical & Natural Sci. (Phys. of Life track), VU Amsterdam, NL (2010-2012)
 - Member of the Strategy Committee, BSc. Science, Business and Innovation, VU Amsterdam, NL (2009)
 - Chair of the *Journal Club* for undergrad physics students, VU Amsterdam, NL (2005-2008)
- Other teaching activities
 - Supervisor of graduate and undergrad students, VU Amsterdam, NL (since 2005)
 - Supervisor of graduate and undergrad students, Harvard University, Cambridge, MA – USA (2003-2005)
 - Mentor for the *Bell Labs Science Grant Program*, Bell Labs, Murray Hill, NJ – USA (2001-2002)

Invited Talks and Plenary Lectures at International Conferences and Special Events

- **2016.** Asia Communication and Photonics Conference 2016, Wuhan, China
- **2016.** Careri Lecture, University La Sapienza, Rome, Italy
- **2016.** Quantitative Analysis of Medical Images, Noordwijk, The Netherlands
- **2015.** ASTP-Proton Fall Meeting, Amsterdam, The Netherlands
- **2015.** Postdoc Career Development Initiative Retreat, Heeze, The Netherlands
- **2015.** Contemporary Challenges in Personalized Advertising, Nijmegen, The Netherlands
- **2015.** International Conference Optical MEMS and Nanophotonics, Jerusalem, Israel
- **2015.** Bessensap, The Hague, The Netherlands
- **2014.** Optical Fiber Sensors: from Research to Real World, Chandolin, Switzerland
- **2014.** Amsterdam University College Capstone Thesis Event, Amsterdam, The Netherlands
- **2013.** European Forum Alpbach, Alpbach, Austria
- **2013.** OPTOEL, Alcala, Spain
- **2013.** IMDI MedTechWest, Delft, The Netherlands
- **2013.** New Technologies from the European Research Council, Brussels, Belgium
- **2013.** First Symposium of the Centre for Translational Regenerative Medicine, Amsterdam, The Netherlands
- **2012.** Meeting of the Former Presidents of Dutch Universities, Amsterdam, The Netherlands
- **2012.** 5 Years of ERC, Rome, Italy
- **2012.** QED2012, Cargese, France
- **2012.** Physics@FOM, Veldhoven, The Netherlands
- **2011.** MicroNanoConference '11, Ede, The Netherlands
- **2011.** EUPRIO Conference - ERC Workshop, Prague, Czech Republic
- **2011.** ERC Conference: Promoting Excellence in Research in Europe, Budapest, Hungary
- **2010.** Casimir Forces, Tenerife, Spain
- **2010.** The Future of Biosensing, Waag Society and the Club of Amsterdam, Amsterdam, The Netherlands
- **2009.** New Frontiers in Casimir Force Control, Santa Fe, NM, USA
- **2009.** Quantum Field Theory Under the Influence of External Conditions, Norman, OK, USA
- **2009.** International Conference on Materials for Advanced Technologies, Singapore
- **2009.** Nine Challenges in Interdisciplinary Physics, Delft, Netherlands
- **2009.** Symposium in Honor of Prof. Iver Brevik, Trondheim, Norway
- **2009.** Annual Symposium of the Netherlands Vacuum Society NEVAC, Leiden, The Netherlands
- **2009.** Casimir Day, Grenoble, France
- **2008.** Opto-Electronics and Communication Conference, Sydney, Australia
- **2008.** International Conference on Optical Fiber Sensors (OFS-19), Perth, Australia
- **2007.** Frontiers in Optics, San Jose, CA, USA
- **2007.** SPM User Meeting, Amsterdam, The Netherlands
- **2006.** Casimir Force Experiments: Status and Perspective, Turin, Italy
- **2006.** Casimir Summer School, Heeg, The Netherlands
- **2005.** Quantum Field Theory under the Influence of External Conditions, Barcelona, Spain
- **2005.** Quantum Vacuum and the Search for New Forces, Les Houches, France
- **2004.** International Workshop on Nanoscience, Mexico City, Mexico
- **2003.** Quantum Field Theory Under the Influence of External Conditions, Norman, OK, USA
- **2002.** Casimir Forces: Recent Developments in Experiment and Theory, Cambridge, MA
- **2000.** International Conference on Elementary Processes in Atomic Systems, Uzhhorod, Ukraine

Grants

- Personal Individual Grants (International)
 - European Research Council (ERC): Consolidator Grant 615170
 - European Research Council (ERC): Proof-of-Concept Grant 297391
 - European Research Council (ERC): Starting Independent Research Grant 201739
- Personal Individual Grants (National)
 - Stichting voor Fundamenteel Onderzoek der Materie (FOM): Valorization V2002M
 - Stichting voor Fundamenteel Onderzoek der Materie (FOM): Projectruimte 10PR2800
 - Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO) VIDI-680-47-209
 - Technologiestichting (STW): Valorization Grant 10348
- Collaboration Grants
 - Technologiestichting (STW): Takeoff phase 1 2016 (grant PI)
 - VU Medical Center (VUmc): ANW Innovation Award Grant 2015 (collaborator)
 - Technologiestichting (STW): Open Programma 2013 (grant PI)
 - Technologiestichting (STW): Perspectief program 2011 (workpackage PI)
 - European Space Agency (ESA): Networking/Partnering Initiative (grant PI)
 - Stichting voor Fundamenteel Onderzoek der Materie (FOM): Vooraanmelding Vrije Programma's (workpackage PI)
- Others:
 - European Commission - H2020: Marie Curie Individual Fellowship 705296
 - Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO): Visitors Travel Grant 040.11.454
 - Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO): Visitors Travel Grant 040.11.298
 - European Science Foundation: COST TD1001 (Dutch representative)
 - Koninklijke Nederlandse Akademie van Wetenschappen (KNAW): Congresssubsidie 2316024458
 - European Science Foundation: CASIMIR Network (Dutch representative until 2009)

Professional Awards and Honors

- **2016.** Member of the Board, IEEE Photonics Society Benelux
- **2015.** Best Student of the 2013-2015 MBA Cohort Award, TIAS Business School
- **2013.** Awarded the European Research Council Consolidator Grant for the project:
Micromachined optomechanical devices: looking at cells, tissues, and organs...with a gentle touch.
Classified with top marks (A).
- **2013.** Bestowed with the University Research Chair of the VU University Amsterdam.
- **2012.** Nominated for the Most Entrepreneurial Scientist of the Netherlands Award.
- **2011.** Selected for the Innovation Convention Exhibition 2011 (European Commission - Innovation Union).
- **2009.** Nominated for the Inventor Award, City of Amsterdam:
For the invention of the align-and-shine photolithography technique
- **2007.** Awarded the European Research Council Starting Independent Research Grant for the project:
Fiber-top micromachined devices: ideas on the tip of a fiber
Classified (with score 10 over 10) in the top 0.6% of the 9160 candidates
- **2007.** Best of Topicals Award - Optical Society of America:
For the most outstanding paper presented at the topical meeting OFS-2006
- **2006.** Rhenaphotonics Alsace Best Technology Award, SPIE - Photonics Europe:
For the intelligent use of modern technology in the development of the Fiber-top Cantilever
- **2006.** Rhenaphotonics Alsace Best Design Award, SPIE - Photonics Europe:
For the original character of the design of the Fiber-top Cantilever
- **2005.** Awarded the Junior Fellowship of the Rowland Institute at Harvard, Cambridge, MA (declined)
- **2004.** 1st place in the VIDI Grant competition, NWO, The Netherlands for the project:
Casimir forces under suitably engineered conditions: fundamental problems and applications to micro- and nanomachinery
- **1999.** Best Communication in Applied Physics, LXXXV Conference of the Italian Society of Physics, Italy
- **1998.** Awarded a honorary graduate student fellowship of the National Institute of Nuclear Physics, Italy

Teaching Awards and Honors

- **2012.** Nominated for the Medical Natural Science Teacher of the Year, Vrije Universiteit Amsterdam
- **2008.** Best Teacher of the Year Award - Faculty of Exact Sciences, Vrije Universiteit Amsterdam
- **2008.** Nominated for the Medical Natural Science Teacher of the Year, Vrije Universiteit Amsterdam

Patents and patent applications

- Iannuzzi, Deladi, Elwenspoek: *Optical device comprising a cantilever and method of fabrication thereof*,
Granted: US2009002714, CA2631179; Pending: EP1963816
- Iannuzzi, Petrusis, Rector: *Align-and-shine system and method for series production of photolithography patterns on optical fiber*,
Granted: US2012014646; Pending: EP2368153

Publications (Last update December 12, 2016)

- 90 E. J. Bos, K. van der Laan, M. N. Helder, M. G. Mullender, **D. Iannuzzi**, and P. van Zuijlen, *Non-invasive measurement of ear cartilage on the cellular level: A new method to provide biomechanical information for tissue engineering*, Plastic Reconstructive Surgery - Global Open, accepted for publication
- 91 M. Kaptein, R. van Emden, and **D. Iannuzzi**, *Tracking the decoy: maximizing the decoy effect through sequential experimentation*, Palgrave Comm., **2** (2016) 16082
- 89 M. Cui, C. van Hoorn, and **D. Iannuzzi**, *Miniaturized fiber-top cantilevers on etched fibers*, J. Microscopy, **264** (2016) 370
- 88 M. Helmes, A. Najafi, B. M. Palmer, E. Breel, N. Rijnveld, **D. Iannuzzi**, and J. van der Velden, *Mimicking the cardiac cycle in intact cardiomyocytes using diastolic and systolic force clamps; measuring power output*, Cardiovascular Research, **111** (2016) 66
- 87 H. van Hoorn, N. A. Kurniawan, G. H. Koenderink, and **D. Iannuzzi**, *Local dynamic mechanical analysis for heterogeneous soft matter using ferrule-top indentation*, Soft Matter **12** (2016) 3066.
- 86 S. Beekmans and **D. Iannuzzi**, *Characterizing tissue stiffness at the tip of a rigid needle using an opto-mechanical force sensor*, Biomed. Microdevices **18** (2016) 1.
- 85 C. van Hoorn, F. Ariese, **D. Iannuzzi**, and A. Mank, *Using ferrule-top opto-mechanical probes as a new tool in VCSEL reliability experiments*, Optics Express **23** (2015) 30318
- 84 R. Sedmik and **D. Iannuzzi**, *Van der Waals and Casimir forces*, in Physics of Solid Surfaces: Subvolume A (Landolt-Brnstein: Numerical Data and Functional Relationships in Science and Technology - New Series), Springer, 2015
- 83 A. Almasi, P. Brax, **D. Iannuzzi**, and R. I. P. Sedmik, *A force sensor for chameleon and Casimir force experiments with parallel-plate configuration*, Phys. Rev. **D91** (2015) 102002
- 82 S. Beekmans and **D. Iannuzzi**, *A metrological approach for the calibration of force transducers with interferometric readout*, Surf. Topogr.: Metrol. Prop. **3** (2015) 025004 (selected for inclusion in the journal's 2015 Highlights)
- 81 C. H. van Hoorn, D. Chavan, B. Tiribilli, G. Margheri, A. J. G. Mank, F. Ariese, and **D. Iannuzzi**, *Opto-mechanical probe form combining atomic force microscopy and optical near-field surface analysis*, Optics Letters **39** (2014) 4800 (selected for inclusion in Virtual J. Biomed. Optics)
- 80 F. Cerini, M. Ferrari, V. Ferrari, A. Russo, M. Azpeitia Urquia, R. Ardito, B. de Masi, A. Almasi, **D. Iannuzzi**, and R. I. P. Sedmik, *Investigation of the effects of hydrodynamic and parasitic electrostatic forces on the dynamics of a high aspect ratio MEMS accelerometer*, Procedia Engineering **87** (2014) 827
- 79 R. I. P. Sedmik, A. Almasi, and **D. Iannuzzi**, *Locality of surface interactions on colloidal probes*, Phys. Rev. **B88** (2013) 165429
- 78 G. Gruca, K. Heeck, J. H. Rector, and **D. Iannuzzi**, *Demonstration of miniature all-optical photoacoustic spectrometer based on ferrule-top technology*, Optics Letters **38** (2013) 1672 (selected for inclusion in Virtual J. Biomed. Optics)
- 77 L. Schenato, L. Palmieri, G. Gruca, T. van de Watering, **D. Iannuzzi**, A. Pasuto, and A. Galtarossa, *Measuring precursory acoustic signals in rockfall events by means of optical fiber sensors*, Proc. SPIE 8794 (2013) 8794-40
- 76 D. Chavan, J. Mo, M. de Groot, A. Meijering, J. F. de Boer, and **D. Iannuzzi**, *Collecting optical coherence elastography depth profiles with a micromachined cantilever probe*, Optics Letters **38** (2013) 1476 (selected for inclusion in Virtual J. Biomed. Optics)

- 75 R. I. P. Sedmik, A. F. Borghesani, K. Heeck, and **D. Iannuzzi**, *Hydrodynamic force measurements under precisely controlled conditions: correlation of slip parameter with mean free path*, Phys. Fluids **25** (2013) 042103
- 74 P. I. Chang, D. Chavan, R. Paris, **D. Iannuzzi**, and G. Schitter, *Towards high speed ferrule-top atomic force microscopy*, Proc. 6th IFAC Symposium on Mechatronic Systems, WeCT1.2 (2013) 131
- 73 G. Gruca, D. Chavan, J. Rector, K. Heeck, and **D. Iannuzzi**, *Demonstration of an optically actuated ferrule-top device for pressure and humidity sensing*, Sensors and Act. **A190** (2013) 77
- 72 D. Chavan, T. C. van de Watering, G. Gruca, J. H. Rector, K. Heeck, M. Slaman, and **D. Iannuzzi**, *Ferrule-top nanoindenter: An optomechanical fiber sensor for nanoindentation*, Rev. Sci. Instr. **83** (2012) 115110
- 71 L. Schenato, L. Palmieri, G. Gruca, **D. Iannuzzi**, G. Marcato, A. Pasuto, and A. Galtarossa, *Fiber optic sensors for precursory acoustic signals detection in rockfall events*, J. Eur. Opt. Soc. Rap. Public. **7** (2012) 11060
- 70 G. Gruca, D. Chavan, A. Cipullo, K. Babaei Gavan, F. de Fillipis, A. Minardo, J. Rector, K. Heeck, L. Zeni, and **D. Iannuzzi**, *Development of fiber optical ferrule-top cantilevers for sensing and beam-steering applications*, Proc. SPIE **8439** (2012) 84390E
- 69 D. Chavan, G. Gruca, T. van de Watering, K. Heeck, J. Rector, M. Slaman, D. Andres, B. Tiribilli, G. Margheri, and **D. Iannuzzi**, *Fiber-top and ferrule-top cantilevers for atomic force microscopy and scanning near field optical microscopy*, Proc. SPIE **8430** (2012) 84300Z
- 68 A. Cipullo, G. Gruca, K. Heeck, F. De Filippis, **D. Iannuzzi**, A. Minardo, and L. Zeni, *Velocity measurements of low speed air flows by ferrule-top cantilever optical fiber sensor*, Sensors and Act. **A178** (2012) 17
- 67 K. Babaei Gavan, J. H. Rector, K. Heeck, D. Chavan, G. Gruca, T. H. Oosterkamp, and **D. Iannuzzi**, *Top-down approach to fiber-top cantilevers*, Optics Lett. **36** (2011) 2989
- 66 D. Chavan, D. Andres, and **D. Iannuzzi**, *Ferrule-top atomic force microscope II: imaging in tapping mode and at low temperature*, Rev. Sci. Instr. **82** (2011) 046107
- 65 A. Cipullo, G. Gruca, K. Heeck, F. De Filippis, **D. Iannuzzi**, and L. Zeni, *Ferrule-top cantilever optical fiber sensor for velocity measurements of low speed air flows*, Proc. SPIE **7753** (2011) 775340
- 64 G. Gruca, J. Rector, K. Heeck, and **D. Iannuzzi**, *Optical fiber ferrule-top sensor for humidity measurements* Proc. SPIE **7753** (2011) 775358
- 63 B. Tiribilli, G. Margheri, P. Baschieri, C. Menozzi, D. Chavan, and **D. Iannuzzi**, *Fiber-top atomic force microscope probe with optical near field detection capabilities*, J. Microscopy **242** (2011) 10 (Hot Topic Session)
- 62 P. Zuurbier, S. de Man, G. Gruca, K. Heeck, and **D. Iannuzzi**, *Measurement of the Casimir force with a ferrule-top sensor*, New J. Phys. **13** (2011) 023027
- 61 D. Chavan, G. Gruca, S. de Man, M. Slaman, J. H. Rector, K. Heeck and **D. Iannuzzi**, *Ferrule-top atomic force microscope*, Rev. Sci. Instr. **81** (2010) 123702 (selected for inclusion in Virtual J. Nanoscale Sci. & Tech.)
- 60 S. de Man, K. Heeck, and **D. Iannuzzi**, *Halving the Casimir force with conductive oxides: experimental details*, Phys. Rev. **A82** (2010) 062512
- 59 G. Gruca, S. de Man, M. Slaman, J. H. Rector, and **D. Iannuzzi**, *Ferrule-top micromachined devices: design, fabrication, performance*, Meas. Sci. Technol. **21** (2010) 094033

- 58 Ph. Brax, C. van de Bruck, A. C. Davis, D. J. Shaw, and **D. Iannuzzi**, *Tuning the mass of chameleon fields in Casimir force experiments*, Phys. Rev. Lett. **104** (2010) 241101
- 56-7 S. de Man, K. Heeck, K. Smith, R. J. Wijngaarden, and **D. Iannuzzi**, *Casimir force experiments in air: two birds with one stone*, Int. J. Mod. Phys. **A25** (2010) 2231 and Proceedings of QFEXT09 (World Scientific, Singapore, 2010) 98
- 55 S. de Man, K. Heeck, R. J. Wijngaarden, and **D. Iannuzzi**, *Contact potential in Casimir force setups: an experimental analysis*, J. Vac. Sci. Technol. **B28** (2010) C4A25
- 54 G. Gruca, S. de Man, M. Slaman, J. H. Rector, and **D. Iannuzzi**, *Ferrule-top micromachined devices: a new approach to fibre-top technology*, Proc. SPIE **7503** (2009) PDP07
- 53 A. Petrusis, J. H. Rector, K. Smith, S. de Man, and **D. Iannuzzi**, *Align-and-shine photolithography*, Proc. SPIE **7503** (2009) 75036Q
- 52 S. de Man, K. Heeck, R. J. Wijngaarden, and **D. Iannuzzi**, *Halving the Casimir force with conductive oxides*, Phys. Rev. Lett. **103** (2009) 040402
- 51 A. Petrusis, J. H. Rector, K. Smith, S. de Man, and **D. Iannuzzi**, *The align-and-shine technique for series production of photolithography patterns on optical fibers*, J. Micromech. and Microeng. **19** (2009) 047001
- 50 S. de Man, K. Heeck, and **D. Iannuzzi**, *No anomalous scaling in electrostatic calibrations for Casimir force measurements*, Phys. Rev. **A79** (2009) 024102
- 49 C. J. Alberts, S. de Man, J. W. Berenschot, V. J. Gadgil, M. C. Elwenspoek, and **D. Iannuzzi**, *Fiber-top refractometer*, Meas. Sci. Technol. **20** (2009) 034005
- 48 K. Smith, S. de Man, H. Zeijlemaker, A. A. Said, M. Dugan, and **D. Iannuzzi**, *Fiber-top atomic force microscope: a worthwhile challenge*, OECC/ACOF'T 2008 Conference Proceedings
- 47 **D. Iannuzzi**, S. de Man, C. J. Alberts, J. W. Berenschot, M. C. Elwenspoek, A. A. Said, and M. Dugan, *Fibre-top micromachined devices*, Proc. SPIE **7004** (2008) 7004-277
- 46 A. A. Said, M. Dugan, S. de Man, and **D. Iannuzzi**, *Carving fiber-top cantilevers with femtosecond laser micromachining*, J. Micromech. and Microeng. **18** (2008) 035005
- 45 **D. Iannuzzi**, K. Heeck, M. Slaman, S. de Man, J. H. Rector, H. Schreuders, J. W. Berenschot, V. J. Gadgil, R. G. P. Sanders, M. C. Elwenspoek, and S. Deladi, *Fibre-top cantilevers: design, fabrication, and applications*, Meas. Sci. Technol. **18** (2007) 3247
- 44 A. Rodriguez, M. Ibanescu, **D. Iannuzzi**, J. D. Joannopoulos, and S. Johnson, *Virtual photons in imaginary time: Computing exact Casimir forces via standard numerical-electromagnetism techniques*, Phys. Rev. **A76** (2007) 032106
- 43 A. Rodriguez, M. Ibanescu, **D. Iannuzzi**, F. Capasso, J. D. Joannopoulos, and S. Johnson, *Computation and visualization of Casimir forces in arbitrary geometries: non-monotonic lateral forces and failure of proximity force approximations*, Phys. Rev. Lett. **99** (2007) 080401
- 42 F. Capasso, J. N. Munday, **D. Iannuzzi**, and H. B. Chan, *Casimir forces and torques: physics and applications to nanomechanics*, IEEE J. Sel. Top. Quant. Electr. **13** (2007) 400
- 41 **D. Iannuzzi**, S. Deladi, M. Slaman, J. H. Rector, H. Schreuders, and M. C. Elwenspoek, *A fiber-top cantilever for hydrogen detection*, Sensors and Act. **B121** (2007) 706
- 40 **D. Iannuzzi**, S. Deladi, and M. C. Elwenspoek, *Fiber-top cantilevers: a new sensor on the tip of a fiber*, Optics and Photonics News **17** (2006) 39 (end of the year issue)

- 39 **D. Iannuzzi**, S. Deladi, J. W. Berenschot, S. de Man, K. Heeck, and M. C. Elwenspoek, *Fiber-top atomic force microscope*, Rev. Sci. Instr. **77** (2006) 106105 (selected for inclusion in Virtual J. Nanoscale Sci. & Tech.)
- 37-8 **D. Iannuzzi**, S. Deladi, H. Schreuders, M. Slaman, J. H. Rector, and M. C. Elwenspoek, *Fiber-top cantilevers: a new generation of micromachined sensors for multipurpose applications*, 18th International Optical Fiber Sensor Conference Technical Digest (Optical Society of America, Washington DC, 2006) TuB2 and Frontiers in Optics 2007 Technical Digest (Optical Society of America, Washington DC, 2007) SThD3
- 36 J. N. Munday, **D. Iannuzzi**, and F. Capasso, *Quantum electrodynamic torques in the presence of Brownian motion*, New J. Phys. **8** (2006) 244
- 35 S. de Man and **D. Iannuzzi**, *On the use of hydrogen switchable mirrors in Casimir force experiments*, New J. Phys. **8** (2006) 235 (selected for inclusion in IOP Select)
- 34 **D. Iannuzzi**, M. Lisanti, J. N. Munday, and F. Capasso, *Quantum fluctuations in the presence of thin metallic films and anisotropic materials*, J. Phys. A: Math. Gen. **39** (2006) 6445
- 33 S. Deladi, **D. Iannuzzi**, V. J. Gadgil, R. G. P. Sanders, H. Schreuders, and M. C. Elwenspoek, *Carving fiber-top optomechanical transducers from optical fibers*, J. Micromech. and Microeng. **16** (2006) 886
- 32 **D. Iannuzzi**, S. Deladi, V. J. Gadgil, R. G. P. Sanders, H. Schreuders, and M. C. Elwenspoek, *Monolithic fiber-top sensor for critical environments and standard applications*, Appl. Phys. Lett. **88** (2006) 053501
- 31 A. F. Borghesani, G. Carugno, **D. Iannuzzi**, and I. Mogentale, *Environmental influence on the IR fluorescence of Xe_2^* molecules in electron beam excited Ar-Xe mixtures at high density*, Eur. J. Phys. **D35** (2005) 299
- 30 M. Lisanti, **D. Iannuzzi**, and F. Capasso, *Observation of the skin-depth effect on the Casimir force between metallic surfaces*, Proc. Nat. Ac. Sci. USA **102** (2005) 11989
- 29 **D. Iannuzzi**, M. Lisanti, J. N. Munday, and F. Capasso, *The design of long range quantum electrodynamic forces and torques between macroscopic bodies*, Solid State Commun. **135** (2005) 618
- 28 J. N. Munday, **D. Iannuzzi**, Y. Barash, and F. Capasso, *Torque induced on birefringent plates by quantum fluctuations*, Phys. Rev. **A71** (2005) 042102
- 27 **D. Iannuzzi**, M. Lisanti, and F. Capasso, *Effect of hydrogen switchable mirrors on the Casimir force*, Proc. Nat. Ac. Sci. USA **101** (2004) 4019
- 26 **D. Iannuzzi**, I. Gelfand, M. Lisanti, and F. Capasso, *New challenges and directions in Casimir force experiments*, Proceedings of the 6th Workshop on Quantum Field Theory Under the Influence of External Conditions (QFEXT03) (Rinton Press, Princeton, 2004) 11
- 25 **D. Iannuzzi** and F. Capasso, *Comment on Repulsive Casimir force*, Phys. Rev. Lett. **91** (2003) 029101
- 24 P. Antonini, S. Belogurov, G. Bressi, G. Carugno, and **D. Iannuzzi**, *Infrared scintillation of Yb(10%):YAG crystals*, Nucl. Instr. & Meth. **A486** (2002) 799
- 23 A. Barr, L. Bonaldi, G. Carugno, G. Charpak, **D. Iannuzzi**, M. Nicoletto, A. Pepato, and S. Ventura, *A high-speed, pressurised multi-wire gamma camera for dynamic imaging in nuclear medicine*, Nucl. Instr. & Meth. **A477** (2002) 499
- 22 A. F. Borghesani, G. Bressi, G. Carugno, E. Conti, and **D. Iannuzzi**, *Infrared fluorescence of Xe_2 molecules in beam-excited Xe gas at high pressure*, J. Chem. Phys. **115** (2001) 6042
- 21 **D. Iannuzzi**, *Infrared scintillation in gases, liquids and crystals*, Scientifica Acta **XVI-2** (2001) 1

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(In publications 2, 4, 5, 7-15, 17-19, and 22-24 the list of the authors was given in alphabetical order. In publications 1 and 3 the same policy was applied after ordering the authors by affiliation. In publication 6, all authors except the last one were listed again in alphabetic order.)