PERSONAL INFORMATION

Name	**DANIELE GROSSO**
Address	**V. DODECANESO 33, 16146 GENOA (WORK)**
Telephone	**+39 347 496 5037**
E-mail	daniele.grosso.genova@gmail.com
web	*http://daniele-grosso.tele-lab.cloud/*
Nationality	Italian
Date of birth	26/08/1967
	Married
Children	We have 2 children

WORK EXPERIENCE

• *Dates (from – to)*	*01-09-2014 - today*
• *Name and address of employer*	*Ministry of National Education (University of Genoa, Department of Physics)*
• *Type of business or sector*	*Education, Research*
• *Occupation or position held*	*Participation to Research projects, support in Didactics*
• *Main activities and responsibilities*	

Participation to Research projects, support in Didactics

- *Projects ARION and WhaleSafe (Environmental Physics)*
- *Projects LSPE, Athena/XIFU, (Astrophysics) HOLMES*
- *PLS - Piano Lauree Scientifiche (research in didactics)*

Support in

- *LAB2 (basic electronics) courses for Physicists*
- *Physics with LAB (signal acquisition and filtering) courses for Electrical Engineers*
- *Experimental Physics for Chemists*
- *Electronics processors and automatics control for Physicists*

Contract Professor

- *Physics with LAB (measures, signal acquisition and filtering) for Electrical Engineers*
- *Software architecture of Embedded systems for Mechanical Engineers*
- *Master EPICT - Iinternational master for teachers*

Continuous formation, teacher attending courses for secondary school teachers:

- *Teaching Sciences and Physics*
- *Applied physics, ROBOTICS*
- *Coding (from scratch, processing.org, C++)*

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• Dates (from – to)	*01/09/2013 - 31-08-2014*
• Name and address of employer	*Ministry of health*
• Type of business or sector	*Public health*
• Occupation or position held	*Medical Physicist at IRCCS Burlo Garofolo,Trieste*
• Main activities and responsibilities	*Promote and implement technological innovation. Telemedicine. Support to the radiology service. Support to clinical engineering and ICT service. Research.*

• Dates (from – to)	*11/2006 - 31/08/2013*
• Name and address of employer	*Ministry of National Education (University of Genoa, Department of Physics)*
• Type of business or sector	*Education, Research, ICT*
• Occupation or position held	*Management of the ICT service in the Department of Physics (University of Genova)*
• Main activities and responsibilities	*Support to Research, Development and Didactics*
	I had to coordinate 4 persons and their activities and I was involved in many scientific projects

• Dates (from – to)	*1/10/2002 – 31/10/2006*
• Name and address of employer	*Ministry of National Education*
• Type of business or sector	*Education, Research, ICT*
• Occupation or position held	*Design and implementation of new services for the ICT service in the Department of Physics (University of Genova)*
• Main activities and responsibilities	*Support to Research, Development and Didactics.*

• Dates (from – to)	*10/2002 – 12/2002*
• Name and address of employer	*Istituto per Geometri Cardarelli – La Spezia*
• Type of business or sector	*Teacher for ICT and systems integration in a post diploma course*
• Occupation or position held	*Teacher*
• Main activities and responsibilities	*Teaching*

• Dates (from – to)	*2001/2002*
• Name and address of employer	*Ministry of National Education*
• Type of business or sector	*Teaching*
• Occupation or position held	*Teacher*
• Main activities and responsibilities	*Physics, Informatics, Electronics at the secondary school*

• Dates (from – to)	*2000/2001*
• Name and address of employer	*Ministry of National Education*
• Type of business or sector	*Teaching*
• Occupation or position held	*Teacher*
• Main activities and responsibilities	*Physics, Informatics at the secondary school*

• Dates (from – to)	*1997– 2000*
• Name and address of employer	*Columbus informatica SAS (Genova)*
• Type of business or sector	*ICT (Information Technology)*
• Occupation or position held	*Chief of the sector of advanced technological solutions and training sector*
• Main activities and responsibilities	*When I started, I was alone; while after 1 year I was coordinating a group of 4 persons. There were 2 developers, 1 teacher and a system manager*

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E DUCATION AND TRAINING

• Dates (from – to)	*Genova 2018/9*
• Name and type of organization providing education and training	*University of Genoa*
	English, B2 level
• Title of qualification awarded	
• Level in national classification	*Continuous formation, University of Genoa*

• Dates (from – to)	*Genova 2017/8*
• Name and type of organization providing education and training	*University of Genoa*
	English, B1 level
• Title of qualification awarded	
• Level in national classification	*Continuous formation, University of Genoa*

• Dates (from – to)	*Genova 2/11/2017 – 24/1/2017*
• Name and type of organization providing education and training	*University of Genoa*
	Descriptive statistics, inferential statistics, data analysis with R
• Title of qualification awarded	
• Level in national classification	*Continuous formation, department of Mathematics*

• Dates (from – to)	*Genova 3/7/2017 – 14/7/2017*
• Name and type of organization providing education and training	*University of Genoa*
	Electronics and microcontrollers: circuits, op amps, analogical filters, digital filters, FFT, Laplace, microcontrollers, arduino ADC
• Title of qualification awarded	
• Level in national classification	*Continuous formation, department of Engineering*

• Dates (from – to)	*Legnaro 3/4/2017 – 7/4/2017*
• Name and type of organization providing education and training	INFN (National Institute for Nuclear Physics)
	VII International Course "Detectors and Electronics for High Energy Physics, Astrophysics, Space Applications and Medical Physics"
• Title of qualification awarded	
• Level in national classification	*post doc, PhD students, postgraduates*

• Dates (from – to)	*Roma 31/8/2009 – 11/9/2009*
• Name and type of organization providing education and training	*CASPUR – Summer school for advanced computing*
• Title of qualification awarded	*Expert in parallel and advanced computing*
• Level in national classification	*post doc*

• Dates (from – to)	*2005-2008*
• Name and type of organization providing education and training	*University of Genova*
• Title of qualification awarded	*PhD in Physics* "ALGORITMI E STRUMENTI PER L'ELABORAZIONE DELLE IMMAGINI CON APPLICAZIONI IN IMAGING MEDICO" (algorithms and tools for image elaboration with application in medical imaging)
• Level in national classification	*3rd level*

• Dates (from – to)	*12/11/2007-23/11/2007*
• Name and type of organization providing education and training	*INFN (National Institute of Nuclear Physics)*
• Title of qualification awarded	*Expert on practical aspect of integration of software applications into the GRID*

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• Level in national classification	Post graduated

• Dates (from – to)	12/2007
• Name and type of organization providing education and training	ISS (Italian National Institute of Health)
• Title of qualification awarded	Advanced course in Montecarlo code development for medical applications
• Level in national classification	Post graduated

• Dates (from – to)	2000-2004
• Name and type of organization providing education and training	University of Genova
• Title of qualification awarded	Specialization in Medical Physics Development and testing of a local entropy filter to be used in medical imaging
• Level in national classification	3rd level

• Dates (from – to)	2000
• Name and type of organization providing education and training	Ministry of National Education
• Title of qualification awarded	Habilitation for teaching Physics in the secondary school
• Level in national classification	3rd level

• Dates (from – to)	1997
• Name and type of organization providing education and training	University of Genoa
• Title of qualification awarded	Laurea in Fisica
• Level in national classification	2nd level

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PERSONAL SKILLS AND COMPETENCES.	
MOTHER TONGUE	**ITALIAN**

OTHER LANGUAGES

ENGLISH

• *Reading skills*	EXCELLENT
• *Writing skills*	EXCELLENT
• Verbal skills	EXCELLENT
	C1

FRENCH

• *Reading skills*	SCHOLASTIC
• *Writing skills*	SCHOLASTIC
• *Verbal skills*	SCHOLASTIC

SPANISH

• *Reading skills*	GOOD
• *Writing skills*	GOOD
• *Verbal skills*	GOOD

DRIVING LICENCE(S)   B driving license

INTERESTS   I have a strong interest in Physics especially in the fields of Applied Physics: Medical Physics, Environmental Physics, Astrophysics and in Applied Mathematics, Science, Robotics, Electronics, Automation.
I like martial arts and I practice Tai chi and Kung Fu (I am a qualified instructor).

1. Automatic Passenger Counting on the Edge via Unsupervised Clustering Sensors
   Giorgio Delzanno, Luca Caputo, Daniele D'Agostino, Daniele Grosso, Abdul Hannan Mustajab, Luca Bixio and Matteo Rulli
   (approved for publication)

2. First configurational tests of the CryoAC Detector silicon chip of the Athena X-ray observatory"
   Celasco, E.; Barusso, L. F.; De Gerone, M.; Gallucci, G.; Grosso, D.; Manfrinetti, P.; Manzato, G.; Repetto, L.; Schott, M.; Gatti, F.
   IEEE Transactions on Applied Superconductivity 2023

3. Ir film structural properties for TES application
   Ferrari Barusso, L.; Tugliani, S.; Fedkevych, M.; Celasco, E.; Gallucci, G.; Grosso, D.; Manfrinetti, P.; Niazi, K.; Gatti, F.
   IEEE Transactions on Applied Superconductivity 2023

4. An automated passive acoustic monitoring system for real time sperm whale (Physeter macrocephalus) threat prevention in the Mediterranean Sea
   Anno: 2021
   Autore/i: Sanguineti, M.; Alessi, J.; Brunoldi, M.; Cannarile, G.; Cavalleri, O.; Cerruti, R.; Falzoi, N.; Gaberscek, F.; Gili, C.; Gnone, G.; Grosso, D.; Guidi, C.; Mandich, A.; Melchiorre, C.; Pesce, A.; Petrillo, M.; Taiuti, M. G.; Valettini, B.; Viano, G.

5. The large scale polarization explorer (LSPE) for CMB measurements: performance forecast
   Addamo, G. and Ade, P. A. R. and Baccigalupi, C. and Baldini, A. M. and Battaglia, P. M. and Battistelli, E. S. and Baù, A. and de Bernardis, P. and Bersanelli, M. and Biasotti, M. and Boscaleri, A. and Caccianiga, B. and Caprioli, S. and Cavaliere, F. and Cei, F. and Cleary, K. A. and Columbro, F. and Coppi, G. and Coppolecchia, A. and Cuttaia, F. and D'Alessandro, G. and De Gasperis, G. and De Petris, M. and Fafone, V. and Farsian, F. and Ferrari Barusso, L. and Fontanelli, F. and Franceschet, C. and Gaier, T. C. and Galli, L. and Gatti, F. and Genova-Santos, R. and Gerbino, M. and Gervasi, M. and Ghigna, T. and Grosso, D. and Gruppuso, A. and Gualtieri, R. and Incardona, F. and Jones, M. E. and Kangaslahti, P. and Krachmalnicoff, N. and Lamagna, L. and Lattanzi, M. and López-Caraballo, C. H. and Lumia, M. and Mainini, R. and Maino, D. and Mandelli, S. and Maris, M. and Masi, S. and Matarrese, S. and May, A. and Mele, L. and Mena, P. and Mennella, A. and Molina, R. and Molinari, D. and Morgante, G. and Natale, U. and Nati, F. and Natoli, P. and Pagano, L. and Paiella, A. and Panico, F. and Paonessa, F. and Paradiso, S. and Passerini, A. and Perez-de-Taoro, M. and Peverini, O. A. and Pezzotta, F. and Piacentini, F. and Piccirillo, L. and Pisano, G. and Polenta, G. and Poletti, D. and Presta, G. and Realini, S. and Reyes, N. and Rocchi, A. and Rubino-Martin, J. A. and Sandri, M. and Sartor, S. and Schillaci, A. and Signorelli, G. and Siri, B. and Soriaga, M. and Spinella, F. and Tapia, V. and Tartari, A. and Taylor, A. C. and Terenzi, L. and Tomasi, M. and Tommasi, E. and Tucker, C. and Vaccaro, D. and Vigano, D. M. and Villa, F. and Virone, G. and Vittorio, N. and Volpe, A. and Watkins, R. E. J. and Zacchei, A. and Zannoni, M. (2021) The large scale polarization explorer (LSPE) for CMB measurements: performance forecast. Journal of Cosmology and Astroparticle Physics, 2021 (8). Art. No. 008. ISSN 1475-7516. doi:10.1088/1475-7516/2021/08/008.

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6. An automated passive acoustic monitoring system for real time sperm whale (Physeter macrocephalus) threat prevention in the Mediterranean Sea
Applied acoustics - Volume 172, 15 January 2021, 107650

7. The Phonon-Mediated TES Cosmic Ray Detector for Focal Plane of ATHENA X-Ray Telescope - BIASOTTI, MICHELE; BORAGNO, CORRADO; FERRARI BARUSSO, LORENZO; GATTI, FLAVIO; GROSSO, DANIELE; RIGANO, MANUELA; SIRI, BEATRICE
2020, JOURNAL OF LOW TEMPERATURE PHYSICS (2020-05-13)
WOS:000509338600001

8. PLOS ONE - December 5, 2019
https://doi.org/10.1371/journal.pone.0226023
Eavesdropping dolphins: investigate the habits of bottlenose dolphins (Tursiops truncatus) through fixed acoustic stations
Jessica Alessi, Alberta Mandich, Maurizio Wurtz, Chiara Paoli, Carlo Nike Bianchi, Carla Morri, Paolo Povero, Marco Brunoldi, Giorgio Bozzini, Alessandra Casale, Daniele Grosso, Valentina Cappanera, Giorgio Fanciulli, Christian Melchiorre, Gianni Viano, Massimiliano Bei, Nicola Stasi, Mauro Gino Taiuti, Paolo Vassallo
Scientific Reports, Nature

9. Tuning the TC of Titanium Thin Films for Transition-Edge Sensors by Annealing in Argon - SIRI, BEATRICE; BIASOTTI, MICHELE; CERIALE, VALENTINA; DE GERONE, MATTEO; GATTI, FLAVIO; GROSSO, DANIELE
2018 JOURNAL OF LOW TEMPERATURE PHYSICS

10. Passive Acoustic Monitoring of Snapping Shrimp Sounds: Robust Analysis of Snap Detection Using Simulations
Cian Jones 1, Chiara Benvenuto 1, Marco Brunoldi 2, Daniele Grosso 2 , Giorgio Bozzini 2, Alessandra Casale 2, Paul Kendrick 1
1 University of Salford, Salford, UK
2 Department of Physics, University of Genova, Genova, Italy

11. Jessica Alessi, Alberta Mandich, Nicolò Falzoi, Paolo Vassallo, Mario Petrillo, Marco Brunoldi, Daniele Grosso, Alessandra Pesce, Ornella Cavalleri, Guido Gnone, Bruna Valettini, Christian Melchiorre, Gianni Viano, Mauro Gino Taiuti: *THE PROJECT LIFE+ WHALESAFE: DEVELOPMENT OF A PERMANENT ACOUSTIC STATION FOR THE PROTECTION OF SPERM WHALE (PHYSETER MACROCEPHALUS) FROM COLLISIONS IN THE LIGURIAN SEA.*

12. Floriana Zennaro, Elena Neri, Federico Nappi, Daniele Grosso, Riccardo Triunfo, Francesco Cabras, Francesca Frexia, Stefania Norbedo, Pierpaolo Guastalla, Massino Gregori, Elisabetta Cattaruzzi, Daniela Sanabor, Egidio Barbi, Marzia Lazzerini: *Real-Time Tele-Mentored Low Cost "Point-of- Care US" in the Hands of Paediatricians in the Emergency Department: Diagnostic Accuracy Compared to Expert Radiologists.* PLoS ONE 10/2016; 11(10)., DOI:10.1371/journal.pone.0164539

13. Marco Brunoldi, Giorgio Bozzini, Alessandra Casale, Pietro Corvisiero, Daniele Grosso, Nicodemo Magnoli, Jessica Alessi, Carlo Nike Bianchi, Alberta Mandich, Carla Morri, Paolo Povero, Maurizio Wurtz, Christian Melchiorre, Gianni Viano, Valentina Cappanera, Giorgio Fanciulli, Massimiliano Bei, Nicola Stasi, Mauro Taiuti: *A Permanent Automated Real-Time Passive Acoustic Monitoring System for Bottlenose Dolphin Conservation in the Mediterranean Sea.* PLoS ONE 01/2016; 11(1):e0145362., DOI:10.1371/journal.pone.0145362

14. Natalia Maximova, Davide Zanon, Lorella Pascolo, Floriana Zennaro, Massimo Gregori, Daniele Grosso, Sonzogni Aurelio: *Metal Accumulation in the Renal Cortex of a Pediatric Patient With Sickle Cell Disease: A Case Report and Review of the Literature.* Journal of Pediatric Hematology/Oncology 03/2015; 37(4)., DOI:10.1097/MPH.0000000000000322

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15. Floriana Zennaro, Daniele Grosso, Riccardo Fascetta, Marta Marini, Luca Odoni, Valentina Di Carlo, Daniela Dibello, Francesca Vittoria, Marzia Lazzerini: *Teleradiology for remote consultation using iPad improves the use of health system human resources for paediatric fractures: Prospective controlled study in a tertiary care hospital in Italy*. BMC Health Services Research 07/2014; 14(1):327., DOI:10.1186/1472-6963-14-327

16. Daniele Grosso: *Design of a system to achieve diagnosis of brain lesions of suspected infectious origin from a database and a radiologic software*. Il Nuovo Cimento 07/2014; 37(Vol. 37 C, N. 4)., DOI:10.1393/ncc/i2014-11803-6

17. N.Maximova, F.Zennaro, D.Grosso, D.Zanon, T.Minuzzo: *INTERNATIONAL MULTI-CENTRE DATA GATHERING FOR THE ESTABLISHMENT OF A DATABASE AND A RADIOLOGIC SOFTWARE THAT CAN BE USED FOR THE DIFFERENTIAL DIAGNOSIS OF BRAIN LESIONS OF AN INFECTIOUS ORIGIN*. Transplant International 11/2013; 26:228.

18. Daniele Grosso, Miranda Pilo, Brigitte Gavio, Alfonso Mantero: *Science Education and Teachers' Training: Research in Partnership*.
US China Education review

19. R Bellotti, F De Carlo, G Gargano, S Tangaro, D Cascio, E Catanzariti, P Cerello, S C Cheran, P Delogu, I De Mitri, C Fulcheri, D Grosso, A Retico, S Squarcia, E Tommasi, Bruno Golosio: *A CAD system for nodule detection in low-dose lung CTs based on region growing and a new active contour model*. Medical Physics 01/2008; 34(12):4901-10., DOI:10.1118/1.2804720

20. Daniele Grosso, P.CALVINI, M.A.PENCO, S. SQUARCIA: *Database server di immagini cliniche digitali per l'elaborazione remota*.
Nuove Tecnologia in Medicina – 6 (2006), pag 14-17

21. Daniele Grosso, CALVINI P., PENCO M.A., SQUARCIA S.: *Fusion of anatomical and functional information in neuroimaging*.
Nuove Tecnologia in Medicina – 6 (2006), pag 60-63

22. Daniele Grosso, Paolo Vitali, Flavio Nobili, Sandro Squarcia, Guido Rodriguez: *Standardised normal distribution analysis on spect datasets before and donepezil in Alzheimer's disease*. NeuroImage 06/2001; 13(6):796-796., DOI:10.1016/S1053-8119(01)92138-X

23. Cesare Barone, Flavio Nobili, Natale Musso, Vincenza De Iorgi, Daniele Grosso, Gaetano Lotti, Guido Rodriguez: *P-301: Common carotid wall thickening and ambulatory blood pressure monitoring in hypertensive patients*. DOI:10.1016/S0895-7061(01)01472-8

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1. *Ir film structural properties for TES application*
   ASC 2022 Hawai

2. *First structural tests of the CryoAC Detector silicon chip of the Athena X-ray observatory*
   L. Ferrari Barusso 1, C. Boragno1, E. Celasco1, M. Fedkevych2, G. Gallucci2, M. De Gerone2, D.Grosso1, L.Repetto1, M.Rigano1, C.Macculi3. M. D'Andrea3, F. Gatti1*

3. *Characterizations of SQuIDs array for TES based detectors*
   D. Grosso1, E. Celasco1, M. De Gerone2, M. Fedkevych2, L. Ferrari Barusso1, F. Fontanelli1, G.Gallucci2, F. Gatti1*

4. *Development of a TES antenna coupled bolometer for Cosmic Microwave Background Detection*
   E.Celasco 1, M. De Gerone2, G. Gallucci2, D.Grosso1, L. Ferrari Barusso1,P.Manfrinetti3, G.Manzato1, L Repetto1, F. Gatti1*

5. *Biasotti M., Boragno C., Ferrari Barusso L., Gatti F., Grosso D., Rigano M., Siri B., Macculi C., D'Andrea M., Piro L. (2020). The Phonon-Mediated TES Cosmic Ray Detector for Focal Plane of ATHENA X-Ray Telescope. JOURNAL OF LOW TEMPERATURE PHYSICS, vol. 199, p. 225-230, ISSN: 0022-2291, doi: 10.1007/s10909-020-02348-y - Articolo in rivista*

6. *Vaccaro, D., SIRI, BEATRICE, Baldini, A. M., Biasotti, M., Cei, F., Ceriale, V., De Gerone, M., Galli, L., Gallucci, G., Gatti, F., Grassi, M., Grosso, D., Nicoló, D., Piendibene, M., Signorelli, G., Spinella, F., Venturini, Y. (2018). Tuning the TC of Titanium Thin Films for Transition-Edge Sensors by Annealing in Argon. JOURNAL OF LOW TEMPERATURE PHYSICS, vol. 193, p. 1122-1128, ISSN: 0022-2291, doi: 10.1007/s10909-018-2090-1 - Articolo in rivista*

7. International Workshop for Superconducting Sensors and Detectors 2018
   Sydney, Australia, 24th – 27th July 2018
   The Cosmic Ray TES detector for the cryogenic focal plane of ATHENA x-ray Telescope
   F. Gatti 1, M. Biasotti 1 , C.Boragno 1 , F. Gallucci 1 , D. Grosso 1 , Lorenzo Ferrari Barusso , M.Rigano, M. D'Andrea 2,3 , C. Macculi 2, A. Argan 2, S. Lotti 2, G.Minervini 2, L. Piro 2, G. Torrioli 4
   1 Dept. of Physics Univ. of Genoa, 2 INAF/IAPS Roma, 3 Dept. of Physics Univ. of Rome «Tor Vergata», 4 IFN/CNR Roma

8. *Brunoldi, Marco, BOZZINI, GIORGIO, CASALE, ALESSANDRA, Corvisiero, Pietro, GROSSO, DANIELE, MAGNOLI, NICODEMO, ALESSI, JESSICA, Bianchi, Carlo Nike, MANDICH, ALBERTA, Morri, Carla, POVERO, PAOLO, Wurtz, Maurizio, Melchiorre, Christian, Viano, Gianni, Cappanera, Valentina, Fanciulli, Giorgio, Bei, Massimiliano, Stasi, Nicola, TAIUTI, MAURO GINO (2016). A permanent automated real-Time passive acoustic monitoring system for bottlenose dolphin conservation in the mediterranean sea. PLOS ONE, vol. 11, p. 1-35, ISSN: 1932-6203, doi: 10.1371/journal.pone.0145362 - Articolo in rivista*

9. Daniele Grosso, M.BIASOTTI, V. CERIALE, D.CORSINI, F.GATTI, M.DE GERONE, L. PARODI, G. PIZZIGONI: *One step into Holmes project. Simulation of the deposition of a metallic Ho film on a target..* SIF 2016, Padova; 09/2016

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10. Daniele Grosso, J. ALESSI, M. BRUNOLDI, O. CAVALLERI, G. GNONE, A. MANDICH, C. MELCHIORRE, A. PESCE, M. PETRILLO, M. TAIUTI, B. VALETTINI, P. VASSALLO, G. VIANO: *A detector for sperm whale clicks in acoustic signals and first steps into the development of a multiple source tracker*. SIF 2016, Padova; 09/2016

11. daniele grosso, J. ALESSI, M. BRUNOLDI, O. CAVALLERI, G. GNONE, A. MANDICH, C. MELCHIORRE, A. PESCE, M. PETRILLO, M. TAIUTI, B. VALETTINI, P. VASSALLO, G. VIANO: *WhaleSafe project: a technical description of the system*. SIF 2016, Padova; 09/2016

12. Daniele Grosso: *Proposal for a backup acquisition, navigation and telemetry system for the LSPE CMB mission.*. 102° Congresso Nazionale della Società Italiana di Fisica, Università di Padova, Edificio Psicologia2 - Aula 2E; 09/2016

13. Alessandra Casale, Marco Brunoldi, Daniele Grosso, Jessica Alessi, Valentina Cappanera, Mauro Taiuti: *ARION System for coastal dolphin conservation: A tool for real-time dolphin passive acoustic monitoring in the Portofino Marine Protected Area*. 170th Meeting of the Acoustical Society of America; 07/2016, DOI:10.1121/2.0000283

14. Jessica Alessi, Alberta Mandich, Nicolò Falzoi, Paolo Vassallo, Mario Petrillo, Marco Brunoldi, Daniele Grosso, Alessandra Pesce, Ornella Cavalleri, Guido Gnone, Bruna Valettini, Christian Melchiorre, Gianni Viano, Mauro Taiuti: *THE PROJECT LIFE+ WHALESAFE: DEVELOPMENT OF A PERMANENT ACOUSTIC STATION FOR THE PROTECTION OF SPERM WHALE (PHYSETER MACROCEPHALUS,) FROM COLLISIONS IN THE LIGURIAN SEA*. 47° Congresso della Società Italiana di Biologia Marina, Torino; 06/2016

15. Zennaro, Floriana, Neri, Elena, Nappi, Federico, GROSSO, DANIELE, Triunfo, Riccardo, Cabras, Francesco, Frexia, Francesca, Norbedo, Stefania, Guastalla, Pierpaolo, Gregori, Massino, Cattaruzzi, Elisabetta, Sanabor, Daniela, Barbi, Egidio, Lazzerini, Marzia (2016). Real-time tele-mentored low cost "Point-of-Care US" in the hands of paediatricians in the emergency department: Diagnostic accuracy compared to expert radiologists. PLOS ONE, vol. 11, p. e0164539, ISSN: 1932-6203, doi: 10.1371/journal.pone.0164539 - *Articolo in rivista*

16. Casale Alessandra, Brunoldi Marco, Grosso Daniele, Alessi Jessica, Cappanera Valentina, Taiuti Mauro: *Fourth International Conference on the Effects of Noise on Aquatic Life*. Proceedings of Meeting on Acoustics; 01/2016

17. pietro bonora, andrea canesi, giovanni dodero, flavio gatti, daniele grosso, miranda pilo: *Esperimenti spaziali per gli studenti della scuola superiore*. 54° CONGRESSO NAZIONALE A.I.F., Trento; 10/2015, DOI:10.13140/RG.2.1.2877.7682

18. Daniele Grosso: *An open source, portable, scalable, low cost infrastructure, allowing health support and teleconsulting in camp hospitals and/or during humanitarian crises*. TeleMediCare 2015 Tele-Medicine & Tele-Care - V - International Conference and Exposition, Desio hospital, Italy; 10/2015, DOI:10.13140/RG.2.1.1574.7283

19. Daniele Grosso: *Experimenting with vision and perception of reality in applied robotics*. V Workshop NeuroInformatica NeuroImaging, NeuroRobotica, NeuroRiabilitazione, NeuroRigenerazione, CNR Milano; 09/2015, DOI:10.13140/RG.2.1.2623.3047

20. Canesi A., Grosso D.: *Esperienze di spettrofotometria per la scuola, basate su arduino.*. SIF, Roma; 09/2015

21. Bonora P., Canesi A., Dodero G., Gatti F., Grosso D., Pilo M: *SPEM (Science Physics Engineering and Mathematics) campus. Un campus estivo di robotica per gli studenti della scuola secondaria superiore.*. SIF, Roma; 09/2015

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22. Alessi J, Bianchi C.N., Bozzini G., Brunoldi M., Cappanera V., Casale A., Cavalleri O., Corvisiero P., Fanciulli G., Falzoi N., Grosso D., Magnoli N., Mandich H, Melchiorre C., Morri C., Pesce A., Povero P., Stasi N., Taiuti M., Viano G., Wurtz M.: *First steps into WhaleSafe project. Design of a detector for sperm whale clicks in acoustic signals*. SIF; 09/2015, DOI:10.13140/RG.2.1.4720.4569

23. Daniele Grosso, Alessi J, Bianchi C.N., Bozzini G., Brunoldi M., Cappanera V., Casale A., Cavalleri O., Corvisiero P., Fanciulli G., Grosso D., Magnoli N., Mandich H, Melchiorre C., Morri C., Pesce A., Povero P., Stasi N., Taiuti M., Viano G., Wurtz M.: *Statistical evaluation of the background signal in acoustic data from ARION project*. SIF, Roma; 09/2015, DOI:10.13140/RG.2.1.1312.5843

24. Daniele Grosso: *A preliminary approach to the problem of vision in applied robotics*. Tele-Medicine & Tele-Care, Desio; 10/2014

25. Daniele Grosso: *An algorithm for image segmentation and its applications in medical imaging.*. SIF 2014 (100), Pisa; 09/2014

26. Michele Baroffio, Andrea Canesi, Giovanni Dodero, Daniele Grosso: *Low-cost open software and hardware to acquire data on airway smooth muscle contractility.*. Congresso SIF 100, Pisa; 09/2014

27. Daniele Grosso, Giovanni Dodero, Luigi oliva, Miranda Pilo, Andrea Canesi: *Utilizzo di MOMO, un robot realizzato con il support PLS e AIF, come supporto per la didattica della Fisica. Progettare e realizzare esperimenti. Acquisire, elaborare, analizzare dati.*. Congresso SIF - 100, Pisa; 09/2014

28. mazimova, zennaro, grosso, zanon, pizzol, minuzzo, torelli: *Development of a Software to Support Diagnosis of Brain Lesions of Suspected Infectious Origin Starting from an International Database and a Set of Radiologic Image Analysis Tools*. 18th Symposium on Infections in the Immunocompromised Host. Berlin, 15.-17.06.2014. Düsseldorf: German Medical Science GMS Publishing House; 2014. Doc14ichs05; 06/2014, DOI:10.3205/14ichs05

29. f.zennaro, d.grosso, d.zanon, t.minuzzo, a.pizzol, pp.guastalla, n.maximova: *The Brain Supporters Project: a system to support diagnosis of brain lesions of suspected infectious origin, in transplanted patients, starting from a database and a set of radiologic image analysis tools*. 51st Annual Meeting of the European Society of Paediatric Radiology, amsterdam; 06/2014

30. F.Zennaro, F.Nappi, E. Barbi, E. Neri, S.Norbedo, P.Guastalla, D.Grosso, F.Frexia, F.Cabras, R.Triunfo: *Third level remote consulting to support FAST echography in pediatric emergency assistance by the use of COTStechnology (Commercial Off The Shelf)*. IMIT 2014 Ginevra; 04/2014

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31. Daniele Grosso, Zennaro F., Zanon D., Pizzol A., Guastalla V., Maximova N.: *The Brain Supporters Project: a system to support diagnosis of brain lesions of suspected infectious origin, in transplanted patients, starting from a database and a set of radiologic image analysis tools*. IMIT 2014 - International Medical Informatics and Telemedicine Conference eHealth and Telemedicine in the Global Society, Ginevra; 04/2014

32. Jessica Alessi, Carlo Nike Bianchi, Giorgio Bozzini, Marco Brunoldi, Valentina Cappanera, Alessandra Casale, Pietro Corvisiero, Giorgio Fanciulli, Daniele Grosso, Nicodemo Magnoli, Christian Melchiorre, Carla Morri, Paolo Povero, Nicola Stasi, Mauro Taiuti, Gianni Viano, Maurizio Würtz: *ARION: a tool for real time bottlenose dolphin monitoring in the Portofino MPA*. 28th AnnualConference of the EUROPEAN CETACEAN SOCIETY, Liege, Belgium; 03/2014

33. V Cappanera, J Alessi, C N Bianchi, G Bozzini, M Brunoldi, A Casale, G Fanciulli, D Grosso, A Mandich, C Melchiorre, C Morri, N Stasi, M Taiuti, G Viano, M Würtz: *ARION System for coastal dolphin conservation: a tool for dolphin conservation by a real time monitoring in Portofino MPA (Ligurian Sea)*. Monitoring for managing Mediterranean MPAs; 01/2014

34. Alessi J, Bianchi C.N, Bozzini G, Brunoldi M, Cappanera V, Casale A, Corvisiero P, Fanciulli G, Grosso D, Magnoli N, Melchiorre C, Morri C, Povero P, Stasi N, Taiuti M, Viano G, Wurtz M, DIFI _ University of Genova, DISTAV - University of Genova, Portofino MPA, Softeco Sismat, Direzione Marittima di Genova: *Systems for Coastal Dolphin Conservation in the Ligurian Sea*. 3rd International Marine Protected Area Congress, Marseille; 10/2013, DOI:10.13140/2.1.2890.5922

35. Grosso D., Maximova N., Minuzzo T., Zanon D., Zennaro F.: *Design of a system to achieve diagnosis of brain lesions of suspected infectious origin from a database and a radiologic software.*. Società Italiana di Fisica XCIX CONGRESSO NAZIONALE, Trieste, 23-27 September 2013; 08/2013

36. Canesi A., Dodero G., Grosso D., Oliva G., Pilo M.: *Un robot per l'insegnamento della fisica nella scuola di oggi. Attività svolte nell'ambito del PLS, con il contributo dell'AIF.*. Società Italiana di Fisica XCIX CONGRESSO NAZIONALE, Trieste, 23-27 September 2013; 08/2013

37. Alessi J., Bianchi C.N., Bozzini G., Brunoldi M., Cappanera V., Casale A., Fanciulli G., Grosso D., Magnoli N., Melchiorre C., Morri C., Povero P., Stasi N., Taiuti M., Viano G., Wurtz M.: *ARION, a LIFE+ project for coastal dolphin conservation in the Ligurian Sea: configuration, installation, calibration, first results.*. Società Italiana di Fisica XCIX CONGRESSO NAZIONALE, Trieste, 23-27 september 2013; 08/2013

38. Canesi A, Dodero G, Grosso D, Oliva G, Pilo: *LEMU e MOMOLAB vanno a scuola*. Atti congresso AIF 2013; 01/2013

39. Alessi J, Bianchi CN, Bozzini G, Brunoldi M, Cappanera V, Casale A, Corvisiero P, Fanciulli G, Grosso D, Magnoli N, Melchiorre C, Morri C, Povero P, Stasi N, Taiuti M, Viano G, Wurtz M: *LIFE+ 09 Nat/It/190 ARION. Systems for Coastal Dolphin Conservation in the Ligurian Sea*. IMPAC - 3TH INTERNATIONAL MARINE PROTECTED AREAS CONGRESS; 01/2013

40. Canesi A, Grosso D, Oliva L, Pilo M: *Due strumenti per il supporto alla didattica della Fisica e non solo: μLAB e MOMOlab: un laboratorio portatile basato su arduino ed un robot*. AIF 2012; 01/2012
Napoli (relation and poster)

41. Canesi A, Grosso D, Oliva L, Pilo M: *AIF E PLS A GENOVA ATTIVITA' SVOLTE NEL 2010/11 E 2011/12*. Atti del Congresso AIF 2012; 01/2012
(report on invitation)

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42. Grosso Daniele, Pilo M: *un dispositivo portatile, basato su arduino, per il supporto alle attività di laboratorio*. Atti del Congresso; 01/2012
SIF Napoli – 17-21/9/2012
(report on invitation)

43. Grosso D, Pilo M, Roberta Buratti, Carlo Noce, Anna Livierato, Luigi Oliva, Fabrizio Vannucci: *Imparare e divertirsi in laboratorio con arduino*.
Congresso nazionale AIF; 01/2011
Piacenza (relation and poster)

44. Daniele Grosso, Miranda Pilo (presenting, Brigitte Gavio, Alfonso Mantero: *Science education and teachers' training. Research in partnership*. ECER 2011; 01/2011

45. Daniele Grosso, Miranda Pilo
A low cost device for comparison of composition of two or more samples in didactic experiments
International Educational Technology Conference - IETC 2011

46. Miranda Pilo, Daniele Grosso
Research and Teachers' Training
Annual EERA Conference - Cadiz, September 2012

47. Daniele Grosso: *Coregistration and segmentation of digital images based on the minimization of a functional by the numerical solution of a set of differential equations*. Atti del 9° Congresso Nazionale AITIM e II conferenza nazionale di GRID in sanità.; 01/2008

48. Grosso D: *Sviluppo e Miglioramento e segmentazione di immagini digitali basati sulla minimizzazione di funzionali mediante la soluzione numerica di PDE*. Atti del Congresso; 01/2008 SIF Genova 23-27/9/2008

49. Daniele Grosso: *Sviluppo e impiego di una classe c++ per il calcolo numerico e la elaborazione delle immagini in ROOT.*. congresso AITIM: 8' congresso nazionale, BARI; 12/2007

50. P.CALVINI, A.CHINCARINI, G.GEMME, GROSSO D, F.NOBILI, M.A.PENCO, G.RODRIGUEZ, S.SQUARCIA: *Miglioramento di immagini SPECT di flusso ematico cerebrale mediante l'informazione strutturale tratta da MRI*. XIII Convegno della Società Italiana per le ricerche sulle radiazioni (SIRR2006); 11/2006

51. Calvini P, Chincarini A, Donadio S, Gemme G, Grosso D, Penco M A, Squarcia S: *Volume Properties of the Hippocampal Region*. Atti del VII Congresso Nazionale dell'Associazione Italiana di Telemedicina e Informatica Medica (@ITIM2006),; 01/2006

52. P CALVINI, D GROSSO, M PENCO, S SQUARCIA: *Integrazione di informazioni anatomico-funzionali in neuroimmagini*. ATTI DEL 6 CONGRESSO NAZIONALE DELL'ASSOCIAZIONE ITALIANA DI TELEMEDICINA E INFORMATICA MEDICA; 01/2006

53. Calvini Piero, Daniele Grosso, Penco MARIA ANTONIETTA, Squarcia Sandro: *Fusion of anatomical and functional information in neuroimaging*. IV congresso nazionale AITIM, Ancona; 12/2005

54. Daniele Grosso: *Un database server di immagini cliniche digitali e dati biometrici per l'elaborazione remota*. Atti del IV congresso nazionale AITIM, Ancona; 12/2005

55. Grosso D, Calvini Piero, Penco MARIA ANTONIETTA, Squarcia Sandro: *Un database server di immagini cliniche digitali e dati biometrici per l'elaborazione remota.*. Atti del IV congresso nazionale AITIM; 01/2005

56. S.DONADIO, U.GARIBALDI, GROSSO D, B.MASCIALINO, C.MOSCI, M.A.PENCO, S.SQUARCIA, P.VIARENGO: *Effetti del Controllo Locale del Tumore e Sopravvivenza nel Melanoma Oculare*. XI Convegno Nazionale della Società Italiana per la Ricerca sulle Radiazioni (SIRR), Piani di Sorrento; 09/2002

57. S.DONADIO, GROSSO D, B.MASCIALINO, T.PENCO, S.SQUARCIA: *A spe-cialized clinical folder for choroidal melanoma treatment.*. XXXVI PTCOG (Particle Therapy Co-Operative Group) Meeting, Catania (Italy); 05/2002

58. C.MOSCI, S. DONADIO, GROSSO D, B. MASCIALINO, T. PENCO, S. SQUARCIA, P.CHAUVEL, N.IBORRA: *Statistical analysis on melanoma treatment with proton beam in Nice*. XXXVI PTCOG (Particle Therapy Co-Operative Group) Meeting. Catania (Italy), Catania (Italy); 05/2002

59. Daniele Grosso: *Standardised Normal Distribution Analysis on SPECT Datasets before and donepezil in Alzheimer's Disease*. 7th Annual Meeting on Human Brain Mapping., Brighton; 06/2001

60. G.RODRIGUEZ, P.VITALI, N.GIRTLER, GROSSO D, S.SQUARCIA, M.DELMONTE, F.BOLLATI, C.DELEO, G.MARIANI, F.NOBILI: *Donepezil Treatment of Alzheimer's Disease: Follow-up Experience with SPECT*. BrainPET'01 Vth International Conference on Qualification of Brain Function with PET, Taipei (China); 06/2001

61. RODRIGUEZ GUIDO, GIRTLER NICOLA GIOVANNI, SQUARCIA SANDRO, NOBILI FLAVIO MARIANO, GROSSO DANIELE: *Donepezil treatment of Alzheimer's disease: follow-up experience with SPECT.*. XXth International Symposium on Cerebral Blood Flow, Metabolism and Function; 01/2001

62. P.VITALI, F.NOBILI, N.GIRTLER, GROSSO D, S.SQUARCIA, G.RODRIGUEZ: *Cholinergic effect on Linking between Cerebral Perfusion and Cognition in Alzheimer Disease*. VIII Congresso Nazionale della Società Italiana di Psicofisiologia, Genova; 12/2000

Partecipazione al workshop Magic5 Bari 2005:

1. Ricerca dell'ippocampo: materiali e metodi
Piero Calvini, Daniele Grosso, M.A.Penco, S.Squarcia

Partecipazione al workshop Magic5 Genova 2005:

2. Integrazione di informazioni anatomico funzionali in neuroimmagini
Piero Calvini, Daniele Grosso, M.A.Penco, S.Squarcia

3. Informazione, entropia e coregistrazione di immagini multimodali
Daniele Grosso

Partecipazione al workshop Magic5 Alghero 2006:

4. Image formalization for algorithm development and test in ROOT
A proposal for the MAGICV framework
Daniele Grosso

5. Strumenti web come supporto alla Collaborazione MAGICV
Daniele Grosso

6. 2015 V Workshop NeuroInformatica NeuroImaging, NeuroRobotica,
NeuroRiabilitazione, NeuroRigenerazione, At CNR Milano
First steps in vision and perception of reality in applied robotics
Daniele Grosso

7. 2015 V Workshop NeuroInformatica NeuroImaging, NeuroRobotica,
NeuroRiabilitazione, NeuroRigenerazione, At CNR Milano
Experimenting with vision and perception of reality in applied robotics
Daniele Grosso

8. The Scientific Ballooning Technologies Workshop – 2017
16/5/2017-18/5/2017 – Minneapolis
A PROPOSAL FOR A NON-REAL TIME TELEMETRY SYSTEM FOR BALLOON BORNE
CMB MISSIONS – Daniele Grosso et al

9. FUTURA 2019
2019, April – seminaries dedicated to Robotics and Physical Computing as a
support/means for STEM teachings.

Technical Reports

1. Rapporto sull'attività svolta nei due Corsi INFN per la Formazione GRID
   Martina Franca (TA), 5-9 e 12-23 Novembre 2007
   ImgLab
   Daniele Grosso

<u>Didactis</u>

1. 2000-2002 High school teacher (Physics, Informatics)
2. 2004 tutor activity during PhD
3. 2014,2015,2016,2016 support in lab courses for physicists and engineers
4. 2010-11,2011-12,2012-13 Scientific responsibility and teacher in the PLS-AIF winter school for teachers (PLS, University of Genoa) - (physics, applied physics, robotics)
5. 2011,2012,2013,2016, 2018, 2019 Scientific responsibility and teacher in the PLS-AIF summer school for teachers (PLS, University of Genoa) - (physics, applied physics, robotics)
6. 2016 PON (European Project) , a course for teachers in:
   "how to develop and use a moveable laboratory to teach Physics, Science, Electronics and Robotics using Arduino, Raspberry, 3d printers and, projecting, building and using small custom robots"
   Gastaldi Abba
7. 2014-2018 support in a laboratory introductory course in Electronics
   for students enrolled in Physics (second year)
8. 2014-2018 support in a laboratory introductory course in Physics
   for students enrolled in Electrical Engineering (third year)
9. 2017 short course in medical physics with lab activities (1 week)
   for secondary school students: project and design of an arduino based oximeter
   Department of Physics – University of Genoa
10. 2017 a course for teachers (in collaboration with the University of Genoa):
    Experiments as an introduction to Science for preschool and primary school
    Montaldo
11. 2017 PON (European Project), a course for teachers in:
    "how to teach Physics, Science and Engineering using Arduino and Robotics"
    Gastaldi Abba
12. 2017 PON (European Project), a course for teachers in:
    "how to use scratch2, python and UML as a didactic support at school"
    Don Milani
13. 2017 support in a laboratory introductory course in Physics
    for students enrolled in Chemistry (first year)
14. 2017 short course in Science lab activities for preschool, primary school (12h)
    for teachers from preschool, primary (Montaldo)
15. 2017 short course in coding for preschool, primary, secondary school teachers(12h)
    scratch2 for teachers from preschool, primary, secondary (Don Milani)
16. 2017 short course in arduino laboratory and robotics, secondary school teachers(12h)
    for teachers from preschool, primary, secondary (Gastaldi Abba)
17. 2017/8 Four courses in introductory applied robotics (and STEM) for preschool children and primary school students (20h each) – Contubernio D'albertis

18. 2018 Two courses in robotics and coding at the regional summer camp for preschool and primary school: Robotics, arduino and Science - june 2018 at the Contubernio D'albertis

19. 2018 Scientific responsibility and Teacher in a national summer school for teachers: Science, arduino and robotics at school for primary and secondary school teachers (40h) to start in july 2018 at the Department of Physics

20. 2018/9 Five courses in introductory applied robotics (and STEM) for preschool children and primary school students (20h each) – Contubernio D'albertis

21. 2018/9 Curricular course in introductory applied robotics (and STEM) for secondary school students at Contubernio D'albertis

22. 2019 march-june Tutor in the International EPICT master for teachers held by the DIBRIS/DISFOR Departments from the University of Genoa; I managed to make DIFI a partner of the collaboration. We are now organizing the next edition.
The master is focused on teaching STEM with digital tools, at any level.

23. 2019 july One course in robotics and coding at the regional summer camp for preschool and primary school: Robotics, arduino and Science at the Contubernio D'albertis

24. 2019/20 november-june Teacher in the International EPICT master for teachers held by the DIBRIS/DISFOR Departments from the University of Genoa.
We are now organizing the practical part and the next edition.
The master is focused on teaching STEM with digital tools, at any level.

25. 2019/20 Curricular course in introductory applied robotics (and STEM) for secondary school students at Contubernio D'albertis

26. 2019/20 teaching Mathematics, Physics, Coding, Electronics, Robotics, Astrophysics, Medical and Environmental Physics in individual advanced courses for gifted students

27. 2020/21 Curricular course in introductory applied robotics (and STEM) for secondary school students at Contubernio D'albertis

28. 2020/21 november-june Teacher in the International EPICT master for teachers held by the DIBRIS/DISFOR Departments from the University of Genoa.
We are now organizing the practical part and the next edition.
The master is focused on teaching STEM with digital tools, at any level.

29. 2020/21 teaching (contract) in an introductory course in Physics
for students enrolled in Electrical Engineering (third year)

30. 2020/21 teaching (contract) in IOT course
for students enrolled in Informatics (fourth year)

31. 2020/21 teaching (contract) in an introductory course in Software Architecture of Embedded Systems for students enrolled in Mechanical Engineering (fourth year)

32. 2020/21 teaching Mathematics, Physics, Coding, Electronics, Robotics, Astrophysics, Medical and Environmental Physics in individual advanced courses for gifted students

33. 2020/21 teaching (contract) in an introductory course in Software Architecture of Embedded Systems for students enrolled in Mechanical Engineering (fourth year)

34. 2020/21 teaching (contract) in an introductory course in Physics
for students enrolled in Electrical Engineering (third year)

35. 2021/22 teaching Mathematics, Physics, Coding, Electronics, Robotics, Astrophysics, Medical and Environmental Physics in individual advanced courses for gifted students

36. 2021/22 teaching (contract) in an introductory course in Software Architecture of Embedded Systems for students enrolled in Mechanical Engineering (fourth year)

37. 2021/22 teaching (contract) in an introductory course in Physics
for students enrolled in Electrical Engineering (third year)

38. 2021/2022 giugno - Scuola estiva sulle discipline STEM rivolta agli studenti della scuola secondaria superiore presso Gastaldi Abba

39. 2021/2022 - Scuola nazionale per gli insegnanti della scuola primaria e secondaria di primo grado, sul coding, la robotica nelle discipline STEAM, in telepresenza per Einaudi Roma

40. 2021/2022 luglio - Scuola nazionale per gli insegnanti della scuola secondaria superiore, sulla IA la robotica e le discipline STEM, presso il Dipartimento di Fisica di Genova per Einaudi Roma

41. 2021/2022 november-june Teacher in the International EPICT master for teachers held by the DIBRIS/DISFOR Departments from the University of Genoa.
We are now organizing the practical part and the next edition.
The master is focused on teaching STEM with digital tools, at any level

42. 2022/2023 Teacher in the International EPICT master for teachers held by the DIBRIS/DISFOR Departments from the University of Genoa.
We are now organizing the practical part and the next edition.
The master is focused on teaching STEM with digital tools, at any level

43. Corso per l'insegnamento delle STEM con realtà virtuale e realtà aumentata
Organizzazione istituto Einaudi, Roma

44. 2023, jan Seminari presso
CPIA STEAM academy – PNRR formazione docenti all'uso delle STEAM
(scuola nazionale), organizzazione CPIA Lecco, seminari tenuti a Como
Laboratorio di Physical Computing e Robotica (formazione docenti CPIA)

45. 2023, jan - Invited speaker presso il Dipartimento di Fisica dell'Università di Torino:
CICLO DI INCONTRI DI FORMAZIONE LABORATORIALE ORGANIZZATO DAL
DIPARTIMENTO DI FISICA - UNITO, AIF, USR-EFT
COME FARE LABORATORIO CON LE NUOVE TECNOLOGIE

46. 2023, jan - Invited speaker presso il Dipartimento di Matematica dell'Università di Genova, seminary: *COME FARE LABORATORIO CON LE NUOVE TECNOLOGIE*
"Physical Computing e robotica educativa nell'insegnamento delle STEaM"
Course: Didattica della Fisica con laboratorio (Elena Angeli, Edvige Celasco)

47. 2022/23 teaching (contract) in an introductory course in Software Architecture of Embedded Systems for students enrolled in Mechanical Engineering (fourth year)

48. 2022/23 teaching (contract) in a course in Physics
for students enrolled in Electrical Engineering (third year)

49. Master EPICT - international master for teachers
(STEM, physical computing, robotics, coding)

1. 2010 Collaboration in the proposal for ARION project >1.5Meuros

2. 2013 Collaboration in the proposal for Brainsupporters project >70Keuros

3. 2014 Collaboration in the proposal for WhaleSafe project >1.5Meuros

4. 2016 PON in collaboration with Gastaldi Abba secondary school - 20Keuros
   LABCOM mobile laboratories for teaching Physics, Chemistry, Sciences and Robotics
   (I wrote the project from scratch)

5. 2017 PON in collaboration with Gastaldi Abba secondary school - 5Keuros dedicated to
   Physics
   Physics at work: Experiments, Measures, Errors, Statistics, Data analysis
   (I wrote this part of the project from scratch)

6. 2017 PON in collaboration with Colombo secondary school - dedicated to STEM
   Math, Physics, Robotics: An introduction with laboratory activities
   (I wrote the project with Andrea Canesi et al)

7. 2017 PON in collaboration with S Giorgio (Nautico) secondary school - dedicated to
   STEM and the sea
   Math, Physics, Robotics: An introduction with laboratory activities
   (I wrote the project with Andrea Canesi et al)

8. 2018 Grant from the " DIPARTIMENTO PER LE PARI OPPORTUNITA' "in collaboration
   with Gastaldi Abba secondary school - 10Keuros dedicated to STEM
   Science and Physics at work: Experiments, Measures, Errors, Statistics, Data analysis
   (I wrote this project from scratch)

9. 2018 PON in collaboration with the Gastaldi Abba secondary school - 25Keuros
   dedicated to the setup of a permanent laboratory for ROBOTICS dedicated to the
   STEM
   I wrote this project from scratch with Roberta Buratti, from the Gastaldi Abba and I had
   actually tested, assembled and installed the necessary equipment

10. 2019 – I have submitted and carried on 3 University projects ("progetti in conto terzi"),
    for an amount of 6Keuros for the foundation of a computational physics labs and for
    teaching STEM disciplines to teacher and students from the secondary school

11. 2020 PON in collaboration with the Contubernio d'Albertis primary/secondary school –
    700 euros dedicated to students support
    I wrote this part of the project from scratch and presented through the school
    management

12. 2021 PON in collaboration with the Gastaldi Abba secondary school - 10Keuros
    dedicated to Physical Computing
    I wrote this part of the project from scratch and presented through a teacher, Roberta
    Buratti, from the Gastaldi Abba

13. 2022 – I have submitted and carried on2 University projects ("progetti in conto terzi"),
    for an amount of 4.2 Keuros for the foundation of a computational physics labs and for
    teaching STEM disciplines to teacher and students from the secondary school

14. I contributed to the writing of a proposal for the constitution of a national pole dedicated to the formation of teachers and students in Physics. Maths and Science. The Department of Physics (University of Genoa), is now a partner of the project, presented by the L.M. KING (referrer prof. Giovanni Dodero). The project will receive national funding for 400000e

15. I contributed to the writing of a proposal for the constitution of 2 national poles dedicated to the formation of teachers and students in Physics, Maths, Science, Engineering (electronic, robotic and informatic).
The Department of Physics (University of Genoa), is now a partner of the project, presented by the Odero (referrer prof. Andrea Canesi).
Every pole in the project will receive national funding for 400000e (800000e in total)

Others

1. 2018 – october - Convocato come membro della giuria per le edizioni regionali della competizione nazionale Scuola Digitale indetta dal MIUR

2. 2019 – april- Convocato come Giudice per la sezione Robotica Marina per le Olimpiadi (nazionali) di Robotica, organizzate da Scuola di Robotica e MIUR

3. 2019 april - Convocato come Presidente della Giuria per il premio Scuola Digitale, in occasione di FUTURA 2019 (evento organizzato dal MIUR)

4. 2019 november - Convocato come esperto per il supporto Scientifico e Tecnologico alle scuole in occasione di ORIENTAMENTI 2019

5. 2020 february - Convocato come Membro della Giuria per il premio Scuola Digitale, preselezioni per FUTURA 2020 (evento organizzato dal MIUR)

6. 2020 march - Convocato come Docente Esperto per la DAD presso Liguria Digitale per lezioni online sulle STEM (evento in diretta televisiva)

7. 2021 february - Convocato come Membro della Giuria per il premio nazionale Scuola Digitale, preselezioni per FUTURA 2021 (evento organizzato dal MIUR)

8. 2022 Commissione per l'esame delle domande e per la valutazione dei titoli e delle offerte economiche, per una procedura comparativa di affidamento di un incarico a un professionista esterno Esperto in Radioprotezione

Prizes

1. 2005 migliore presentazione AITIM, premiata con un premio in denaro
2. 2013 migliore presentazione SIF, premiata con la pubblicazione su "il nuovo cimento"
3. 2020 migliore presentazione SIF, premiata con la pubblicazione su "il nuovo cimento"