**GIULIA TASQUIER**

**CURRENT POSITION**

*Postdoctoral Fellow in Physics Education* at Department of Physics and Astronomy, Alma Mater Studiorum, University of Bologna.

**RELEVANT POSITION**

Conference Manager, member of the Scientific Committee and the Local Committee of the 13th ESERA Conference, 26-30 August 2019, Bologna (Italy).

*in progress* – co-editors of the Book of selected paper of ESERA 2019 Conference

*in progress* – co-editors of the E-Book Proceedings of the ESERA 2019 Conference

**QUALIFICATIONS AND AWARDS**

National scientific qualification for the role of Associate Professor for the competition sector 02/D1 Applied Physics, sub-sector FIS/08 Physics Education and History of Physics, for the period 2018-2024.

**EDUCATION**

**University degrees**

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| 2015 – | PhD in *Applied Physics*, address in *History and Education of Mathematics, Physics and Chemistry*, curriculum in *Physics Education*, University of Palermo, dissertation: ‘Leading secondary school students to face the disciplinary, epistemological and societal challenges of climate change: design and analysis of multi-dimensional teaching/learning experiences’, supervisors: Rosa Maria Sperandeo and Olivia Levrini; additional title: *Doctor Europaeus with distinction*.  |
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| 2009 – | Master degree in Physics, University of Bologna, dissertation: ‘A teaching experiment of thermodynamics in a high secondary school class: analysis of the feasibility of an innovative path’, supervisor: Olivia Levrini. |

**Certified courses**

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| 2017 – | Training courses on ‘Methods and Laboratories of the Future’, University of Trento. |
| 2016 – | Teacher training course ‘Laboratory of designing and testing of materials on modern physics at upper secondary school’, University of Bologna. |
| 2012 – | Specialization course (CP - IDIFO3): ‘Innovation and Orientation in Physics Education’, University of Udine. |

**Other Certificates**

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| 2013 – | First Certificate in English (FCE) - Level B2, Cambridge English Language Assessment (London). |
| 2003 – | English certificate – Level B2, University of Bologna (Bologna). |

**RESEARCH INTEREST AND EXPERTISE**

* Educational reconstruction of modern and contemporary physics (thermodynamics, climate change): design and implementation of innovative teaching materials.
* Qualitative methods of analysis, specifically: *i)* design of instruments for data gathering and tools for data analysis; *ii)* analysis of qualitative data class and analysis of complex learning environments (Appropriation, Orchestration); *iii)* use of specific software for linguistic and argumentative analysis.
* The role of epistemology in teaching/learning physics, in particular the role of epistemological knowledge in models and modelling in physics.
* Science education and socio-scientific issue: correlation between knowledge and behaviour in climate change.
* Science Education and scientific citizenship.
* Future oriented Science Education: development of strategies, tools and activities for transforming scientific knowledge into transversal skills about future

**RESEARCH ACTIVITIES**

**Invited talks, papers and posters**

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| 2020 – | Invited workshop “Trust and Climate Change: information for teaching in a digital age”, 3rd March 2020, Department of Education, University of Oxford (UK) |
| 2019 – | Invited talk at the CV Conference of the Italian Society of Physics (SIF), 23-27 September 2019, L'Aquila (Italy) |
| 2019 – | Co-chair of the Invited Round Table on Science Education Journals at the 13th ESERA Conference, 26-29 August, 2019 Bologna (Italy)  |
| 2019 – | Invited contribution in the H2020 Infoday “Science with and for Society: the draft work programme 2020” organised by the thematic Group on SSH of the University of Bologna, Italy, 5 July. |
| 2018 – | Invitation to submit a chapter to the Book of Selected Papers of the ESERA 2017 Conference. |
| 2017 – | Invited contribution in the Panel “Learning and Languages” at the conference “Social Sciences and Humanities for a changing Europe” organised by the thematic Group on SSH of the University of Bologna, Italy. |
| 2017 – | Invited workshop at the training within the meeting of the project EXPERES, title ‘Inquiry based approach and virtual labs’, Murcia (Spain) |
| 2016 – | Invitation to submit a chapter to the Book of Selected Papers of the ESERA 2015 Conference. |
| 2016 – | Invitation to submit a chapter to the Book of Selected Papers of the GIREP-MPTL 2014 Conference. |
| 2015 – | Invited seminar titled ‘Graph and Clima’, within the training course for in-service teachers, within the teacher training activities of Tecnoscienza – Show room Energia e Ambiente, Bologna, 30th September 2015.  |
| 2015 – | Seminar at the Doctoral School in History and Education of Mathematics, Physics and Chemistry, University of Palermo, title: ‘Methodology in STEM education: tools for data collection and analysis’. |
| 2013 – | Seminar to the Science and Technology Education Group at King’s College London, title: ‘Science education and scientific citizenship: the problem of how to deal with climate change in teaching/learning Physics’. |
| 2013 – | Poster at the ESERA Conference in Nicosia (Cyprus), title ‘A multi-disciplinary approach of climate change: description and analysis of a teaching proposal’. |
| 2012 – | Seminar at the Round Table on Climate Change, organized by Dr. Francesca Pongiglione, at the International Centre for the History of Universities and Science (CIS), University of Bologna, title: ‘Environmental Issues: their scientific and social complexity’. |
| 2012 – | Invited publication on the Italian Journal of Physics (Giornale di Fisica), title: ‘Climate change and teaching/learning physics: a teaching proposal’. |
| 2011 – | Seminar at the Conference of the Inter-departmental Centre of Educational Research (CIRE), University of Bologna, title: ‘For a science education that invests in the future: the challenge of the contemporary world’. |

**Prizes, Award and grants**

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| 2017 – | Mention among the best posters at the 5th Annual Conference of the Italian Society of Climate Sciences (SISC), Bologna, October 26-27, 2017 |
| 2017 – | ESERA fellowship for conference in Ireland. |
| 2015 – | ESERA fellowship for conference in Finland. |
| 2013 – | ESERA fellowship for conference in Cyprus. |
| 2013 – | ESERA travel award for early career researchers. |
| 2010 – | GRANT in Physics Education supported by Inter-departmental Centre on Educational Research (CIRE) University of Bologna, Title of the project: ‘Environmental Issues: their scientific and social complexity’, Supervisors: Olivia Levrini and Margherita Venturi. |

**Period abroad**

Research activity as visiting PhD students at the Science and Technology Education group, Department of Education and Professional Studies, King’s College London, period: March–June 2013, supervision of Prof. Justin Dillon.

**National and International Projects**

*in progress* – “SEAS - Science Education for Action and engagement towards Sustainability” (GRANT AGREEMENT NUMEBR 824522, September 2019 – August 2022). PI: Erik Knain, University of Oslo (<https://www.seas.uio.no>).

My role: Research fellow within the Bologna unit and local member of PMT.

*in progress* – “IDENTITIES - Integrate Disciplines to Elaborate Novel Teaching approaches to InTerdisciplinarity and Innovate pre-service teacher Education for STEM challenges” (PROJECT NUMBER 2019-1-IT02-KA203-063184, September 2019 – August 2022). PI: Olivia Levrini, University of Bologna (<https://identitiesproject.eu>).

My role: Research fellow within the Bologna unit and member of the steering committee.

*in progress* – ‘PLS - Piano Lauree Scientifiche’, Italian National Project, local coordinator: Olivia Levrini.

My role: staff support in the coordination, co-cordination in the organisation of the summer schools, design and implementation of lab-course on Global Warming and Climate Change, design and implementation of activities within the courses on Seismic Risk and Artificial Intelligence.

I SEE, Inclusive STEM Education to Enhance the capacity to aspire and imagine future careers (PROJECT NUMBER - 2016-1-IT02-KA201-024373, September 2016 – August 2019). PI: Olivia Levrini, University of Bologna (<https://iseeproject.eu>).

My role: Research fellow within the Bologna unit and member of the steering committee.

EXPERES, Les Tice Appliquées à L’expérimentation Scientifique (561551-EPP-1-2015-1-ES-EPPKA2-CBHE-SP, October 2015 – September 2018). EU CCORDINATOR: University of Murcia; MAROCCAN COORDINATOR: Université IBN TOFAIL, LOCAL COORDINATOR: University of Bologna (<http://196.200.152.145/experes/>).

My role: Research fellow in the Bologna unit.

HOPE-Network, Horizons in Physics Education (EU-LLP, 2013-3710\_540130-LLP-1-2013-1-FR-ERASMUS-ENW, October 2013 – September 2016). PI: Nadine Witkowski, Université Pierre et Marie Curie – UPMC, Paris, France (<http://www.hope-network.eu/>).

My role: participation in WG1-B in the Bologna’s unit; analysis of questionnaire; administration and analysis of interviews.

IRRESISTIBLE, Including Responsible Research and Innovation in Cutting-Edge Science and Inquiry-Based Science Education to Improve Teacher’s Ability of Bridging Learning Environments (EU-LLP, GA 612367, November 2013 - October 2016). PI: Jan Apotheker, University of Groningen, Netherlands. (<http://www.irresistible-project.eu/>).

My role: Research fellow in the Bologna unit.

**Participation in Project and/or Board Meetings**

* *(forthcoming)* SEAS consortium meeting, 6-7 October 2020, compatibly with the COVID-19 conditions, the meeting will be host by University of Bologna
* *(forthcoming)* IDENTITIES consortium meeting, 24-25 September 2020, compatibly with the COVID-19 conditions, the meeting will be host by University of Crete
* SEAS consortium meeting, 3-4 December 2019, Tallin, Estonia
* IDENTITIES kick-off meeting, 19-20 September 2019, Bologna, Italy
* SEAS kick-off meeting, 2-4 October 2019, Oslo, Norway
* ESERA board meeting, 30-31 August 2019, Bologna, Italy
* ESERA board meeting, 7-8 March 2019, Bologna, Italy
* ESERA restricted board meeting, 22-23 January 2019, Bologna, Italy
* ESERA board meeting, 16-17 March 2018, Rimini, Italy
* ESERA board meeting, 25-26 August 2017, Dublin, Ireland
* PLS coordination meeting, 7 February 2018, Rome, Italy
* I SEE project meeting, 17-18 June 2019, Bologna, Italy
* I SEE project meeting, 6-10 June 2018, Reykjavik, Iceland
* I SEE project meeting, 9-10 June 2017, Bologna, Italy
* I SEE kick off meeting, 12-14 October 2016, Helsinki, Finland
* EXPERES project meeting, 27-28 February 2017, Léon, Spain
* EXPERES project meeting, 28 November – 1 December 2016, Murcia, Spain
* IRRESISTIBLE project meeting, 28 September – 2 October, Kiel, Germany
* IRRESISTIBLE project meeting, 9-10 June, Graz, Austria
* IRRESISTIBLE project meeting, 16-19 March 2016, Targoviste, Romania
* HOPE – WG1 workshop, 11-12 July 2016, Pavia, Italy
* HOPE – WG1 workshop, 18-19 February 2016, Bologna, Italy

**Organization of conference, workshop, training in projects and associations activities**

(*still in progress*) – project manager, member of the scientific and the local committee of the ESERA Conference, 26-30 August 2019, Bologna, Italy

2018 – co-coordinator of the local committee of the PLS Summer School, 13-19 June, Bologna, Italy

2018 – member of the local committee for the organization of the multiplier event for teachers of the I SEE project, 19-20 April 2018, Bologna, Italy

2017 – co-coordinator of the local committee of the PLS Summer School, 19-23 June, Bologna, Italy

2017 –co-coordinator of the local committee of I SEE Summer School, 5-9 June, Bologna, Italy

2017 – member of the local committee of training meeting within project EXPERES, 8-10 May, Bologna, Italy

2014 – member of the local committee of the EARLI-SIG3 Conference, 26-29 August 2014, Bologna, Italy

**Participation in National and International Conferences**

* ESERA Virtual Doctoral Network (VDN), 29 June – 2 July 2020, *foreseen to be* in Oxford, UK *[due to the COVID-19 situation, the conference will be carried out online]*
* ICLS Online Conference, 19-23 June 2020, *foreseen to be in* Nashville (TN), USA *[due to the COVID-19 situation, the conference will be carried out online]*
* ESERA Conference, 26-30 August 2019, Bologna, Italy
* ESERA Summer School, 4-9 June 2019, Creete, Greece
* ICLS Conference, 24-27 June 2018, London, UK
* II meeting of the Italian Futurists: “The future of work”, 16-17 April, Bologna, Italy
* SISC – Italian Society of Climate Science Conference, 26-27 October 2017, Bologna, Italy
* ESERA Conference, 21-25 August 2017, Dublin, Ireland
* Anticipation, Agency and Complexity Conference, 6-8 April 2017, Trento, Italy
* ECSITE Conference, 9-11 June, Graz, Austria
* Convegno nazionale “Oltre il fare”, 7-8 April, Milan, Italy
* ESERA Conference, 31 August - 4 September 2015, Helsinki, Finland
* EARLI-SIG3 Conference, 26-29 August 2014, Bologna, Italy
* GIREP-MPTL Conference, 7-12 July 2014, Palermo, Sicilia
* National seminar of Mathematics Education, 29-31 January 2014, Rimini, Italy
* Summer school in Philosophy of Science, 16-21 September 2013, Cesena, Italy
* ESERA Conference, 2-7 September 2013, Nicosia, Ciprus
* 5th World Conference on Educational Sciences, 5-8 February 2013, Roma, Italy
* Workshop on ‘Design, Methodology, and Theory’, 24-25 October 2012. Physics and Astronomy Department, University of Bologna.
* ESERA Summer School, 22-27 July 2012, Bad Honnef, Germany
* Conferences of the Italian Physics Society (SIF):
	+ (*forthcoming*) CVI Online Conference, foreseen to be in Milano, 14-18 September, 2020
	+ CV, L’Aquila, 23-27 September, 2019
	+ CI, Roma, 21-25 September 2015
	+ XCVIII, Napoli, 17-21 September 2012
	+ XCVII, L’Aquila, 26-30 September 2011
	+ XCVI, Bologna, 20-24 September 2010

**TEACHING EMPLOYMENTS AND ACTIVITIES, SUPERVISION OF STUDENTS THESIS**

**Teaching employments at University level**

*Adjunct professor* - Teaching module 'Elementi di Fisica e Didattica della Fisica' [Elements of Physics and Physics Teaching] within the Single cycle degree programmes (LMCU) in Primary teacher education of the Education Studies Department, University of Bologna, A.Y. 2020/2021.

*Adjunct professor* - Teaching module 'Laboratorio di Didattica della Fisica' [Physics Education Laboratory] within the master degree programme of the Department of Physics and Astronomy, University of Bologna, A.Y. 2020/2021.

*Adjunct professor* - Teaching module 'Elementi di Fisica e Didattica della Fisica' [Elements of Physics and Physics Teaching] within the Single cycle degree programmes (LMCU) in Primary teacher education of the Education Studies Department, University of Bologna, A.Y. 2019/2020.

*Adjunct professor* - Teaching module 'Laboratorio di Didattica della Fisica' [Physics Education Laboratory] within the master degree programme of the Department of Physics and Astronomy, University of Bologna, A.Y. 2019/2020.

*Teacher* - Teaching module in course for in-service secondary school teachers titled ‘Teaching module ‘L’insegnamento delle discipline STEM per sviluppare competenze di future: il progetto I SEE’, targeted to secondary school teacher, within Piano Triennale formazione docenti – Scuola Polo ITT G. Marconi, Ambito territorial N.7 Forlì, A.Y. 2018/2019.

*Adjunct professor* - Teaching module 'Elementi di Fisica e Didattica della Fisica' [Elements of Physics and Physics Teaching] within the Single cycle degree programmes (LMCU) in Primary teacher education of the Education Studies Department, University of Bologna, A.Y. 2018/2019.

*Adjunct professor* - Teaching module 'Laboratorio di Didattica della Fisica' [Physics Education Laboratory] within the master degree programme of the Department of Physics and Astronomy, University of Bologna, A.Y. 2018/2019.

*Adjunct professor* - Teaching module 'Elementi di Fisica e Didattica della Fisica' [Elements of Physics and Physics Teaching] within the Single cycle degree programmes (LMCU) in Primary teacher education of the Education Studies Department, University of Bologna, A.Y. 2017/2018.

*Adjunct professor* - Teaching module 'Laboratorio di Didattica della Fisica' [Physics Education Laboratory] within the master degree programme of the Department of Physics and Astronomy, University of Bologna, A.Y. 2017/2018.

*Teacher* - Teaching module ‘Analysis of texts of the physics of the twentieth century’, targeted to secondary school teacher, in collaboration with Olivia Levrini and Laura Branchetti, within MASTER PLS-IDIFO, (directed by M. Michelini), A.Y. 2016/2017.

*Adjunct professor* - Teaching module ‘Laboratorio di Didattica della Fisica' [Physics Education Laboratory] within the master degree programme of the Department of Physics and Astronomy, University of Bologna, A.Y. 2016/2017.

*Teacher* - Teaching module ‘Modern Physics: concepts, experiments and educational tools towards quantum physics’, targeted to secondary school teachers, within the teacher training area ‘Educare a Educare’ at Fondazione Golinelli, A.Y. 2016/2017.

*Tutor* – Two Teaching modules 'Fondamenti e Didattica della Fisica' [Physics Education and Fundamental Physics] within the master degree programme of the Department of Philosophy, Sociology, Pedagogy and Applied Psychology, University of Padova, A.Y. 2016/2017.

*Teacher* - Teaching module 'Training course for in-service teachers on the teaching/learning of quantum physics’ within the teacher training programme for the Italian National Project PLS, Department of Physics and Astronomy, University of Bologna, A.Y. 2016/2017.

*Adjunct professor* - Teaching module 'Laboratorio di Didattica della Fisica' [Physics Education Laboratory] within the master degree programme of the Department of Physics and Astronomy, University of Bologna, A.Y. 2015/2016.

*Tutor* – Two Teaching modules 'Fondamenti e Didattica della Fisica' [Physics Education and Fundamental Physics] within the master degree programme of the Department of Philosophy, Sociology, Pedagogy and Applied Psychology, University of Padova, A.Y. 2015/2016.

*Adjunct professor* - Teaching module 'Seminario di rielaborazione delle esperienze di tirocinio' [Seminar of elaboration of training school experiences] within the post-graduate programme for teacher certification TFA (Tirocinio Formativo Attivo) University of Bologna, A.Y. 2014/2015.

**Mentoring / supervision of PhD students**

Mentor at the ESERA Summer School for PhD students in Science Education, 4-9 June 2019, Crete, Greece.

**Supervision of master and bachelor degree thesis**

*in-progess* – Co-supervision of master degree dissertation, Physics and Astronomy Department, University of Bologna, A.Y. 2019/2020.

*in-progess* – Supervision of master degree dissertation, Physics and Astronomy Department, University of Bologna, A.Y. 2019/2020.

Supervision of the bachelor degree dissertation, title: “Addressing the complexity of climate change through games”, Physics and Astronomy Department, University of Bologna, A.Y. 2018/2019.

Co-supervisor of the Single cycle degree programmes (LMCU) dissertation in Primary teacher education, title: “Experience of Light at Primary School”, University of Bologna, A.Y. 2017/2018.

Co-supervision of master degree dissertation, title: ‘Science of complex systems and future-scaffolding skills: a pilot study with secondary school students’, Physics and Astronomy Department, University of Bologna, A.Y. 2016/2017.

Co-supervision of bachelor degree dissertation, title: ‘Fattori che spingono a iscriversi a fisica e motivi di insoddisfazione: analisi di un’indagine condotta sugli studenti del corso di laurea in fisica nell’anno accademico 2015/2016’, Physics and Astronomy Department, University of Bologna, A.Y. 2015/2016.

Co-supervision of master degree dissertation, title: ‘Conoscenze scientifiche e competenze di Cittadinanza. Sperimentazione con cittadini adulti sui temi della complessità e del futuro’, Physics and Astronomy Department, University of Bologna, A.Y. 2015/2016.

Co-supervision of master degree dissertation, title: ‘Formazione iniziale all’insegnamento della fisica quantistica con attività di *cooperative learning*: progettazione e realizzazione di uno studio pilota’, Physics and Astronomy Department, University of Bologna, A.Y. 2015/2016.

Co-supervision of master degree dissertation, title: ‘Processi di appropriazione nello studio della fisica quantistica: Analisi di una sperimentazione didattica in una quinta liceo scientifico’, Physics and Astronomy Department, University of Bologna, A.Y. 2014/2015.

Co-supervision of master degree dissertation, title: ‘Cittadinanza scientifica e educazione al futuro: analisi di una sperimentazione didattica sui cambiamenti climatici in una classe quarta di liceo scientifico’, Physics and Astronomy Department, University of Bologna, A.Y. 2014/2015.

Co-supervision of master degree dissertation, title: ‘Climate change and epistemological perspective: results from a teaching experiment’, Mathematics Department, University of Bologna, A.Y. 2012/2013.

**Teaching/research activities with School students**

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| 2020-2012 – | Laboratory-course on Climate Change targeted to Secondary School students, module of 20 hours of teaching:* 2020 – 2012, Italian National Project PLS, University of Bologna
* 2015 – Liceo ‘Einstein’, Rimini
* 2014 – Liceo Salesiano ‘B.V. San Luca’, Bologna
* 2013 – Italian National Project PLS, Liceo ‘Einstein’ Rimini and Liceo ‘Galvani’ Bologna
* 2013 – Liceo Salesiano ‘B.V. San Luca’, Bologna
* 2012 – Liceo ‘Einstein’ Rimini (twice)
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| 2018 – | Activities carried out within the PLS Laboratory-course on Sismic Risk, January-February 2018, University of Bologna, Italy |
| 2018 – | Activities carried out at the PLS summer school on artificial intelligence, 13-19 June 2018, Bologna, Italy |
| 2017 – | Teaching module at the PLS Summer school, 19-23 June 2017, University of Bologna, Italy  |
| 2017 – | Teaching module at the I SEE Summer school, 5-9 June 2017, University of Bologna, Italy |
| 2016 – | Mathematics teaching in secondary school (A049) at Liceo ‘Einstein’ Rimini, period: June-July 2016 |
| 2016 – | Physics teaching in secondary school (A049) at Liceo ‘A. Volta’ Riccione, period: February-March 2016. |
| 2015 – | Preparation of pre-university students for the entrance test for the University of Medicine, private University in Republic of S. Marino. |
| 2015 – | Participation in teaching experiments on Climate Change and Project Cycle Management in a class of scientifically oriented secondary schools (Liceo Einstein, Rmini), period: April-June 2015.  |
| 2015 – | Mathematics teaching in secondary school (A049) at Liceo ‘Einstein’ Rimini, period: June-July 2015 |
| 2013 – | Physics and Mathematics teaching in secondary school (A049) at Liceo ‘Einstein’ Rimini, period: September-November 2013.  |
| 2012-2008 – | Participation in teaching experiments on Thermodynamics in classes of scientifically oriented secondary schools (Liceo Einstein and Liceo Serpieri, Rimini).  |
| 2006-2011 – | Laboratories on environmental education in collaboration with national and international environmental associations (HERA, WWF), target to primary and secondary school. |

**Editorial activities**

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| 2020 *to date* – | Reviewer for Journal of Research Science in Teaching |
| 2020 *to date* – | Reviewer for Science & Education |
| 2020 *to date* – | Reviewer for Studies in Science Education |
| 2018 *to date* – | Reviewer for International Journal of Science Education  |
| 2018 *to date* – | Reviewer for EURASIA Journal of Mathematics, Science and Technology Education |
| 2017 *to date* – | Reviewer for ESERA conference |
| 2017 *to date* – | Reviewer for International Conference of the Learning Sciences (ICLS) |
| 2015 *to date* – | Reviewer for Environmental Education Research |
| 2014 – | Critical revision of the textbook ‘La fisica dei cambiamenti climatici” (Claudio Romeni, Zanichelli). |
| 2013 – | Critical revision of the textbook ‘Il clima che cambia’ (Elvidio Lupia Palmieri e Maurizio Parrotto, Zanichelli). |
| 2013 – | Research of data for the textbook ‘#Terra’ (Elvidio Lupia Palmieri e Maurizio Parrotto, Zanichelli). |

**Museums, communicational and outreach activities**

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| 2017 | Organisation of an exhibit at the European Researchers’ Night, September 29th, Bologna, Italy. |
| 2016 | Organisation of an exhibit at the European Researchers’ Night, September 30th, Kiel, Germany. |
| 2016 | Member of the evaluation committee for the best exhibit award within the IRRESISTIBLE project.  |
| 2016-2017 | Collaboration with the Science Centre “Opificio Golinelli” Bologna, design and planning of a physics laboratory on Quantum Physics, in collaboration with Giovanni Ravaioli. |
| 2011-2012 | Scientific coordinator of the Planetarium Galileo Galilei, Riccione. |

**PUBLICATIONS**

***Paper published on international journals and/or conference proceedings***

Levrini, O., Fantini, P., Barelli, E., Branchetti, L., Satanassi, S., **Tasquier, G.** (2020, *forthcoming*). The present shock and time re-appropriation: rethinking science education in the pandemic era. *Paper accepted to be published in Science and Education*.

**Tasquier, G.**, Barelli, E., Palmgren, E. (2020, *forthcoming*). Can cultural insights be considered a way to trigger the development of future-scaffolding skills? *Paper accepted to be published in Gresalfi, M. and Horn, L. (Eds.) The Interdisciplinarity of the Learning Sciences, 14th International Conference of the Learning Sciences, Nashville (USA), 19-23, June 2020*.

Levrini, O., **Tasquier, G.**, Barelli, E., Branchetti, L, Laherto, A., Palgrem, E., Wilson, C., Branchetti, L. (2020, *under review*). Toward the Recognition of Future-Scaffolding Skills in Science Education. *Paper submitted to Science Education*.

Bulgarelli, C., Mantovani, B., Marchini, M., Pecori, B., Plazzi, F., Prada, F., **Tasquier, G.**, Venturi, M. (2020, *under review*). The design of an innovative scientific interdisciplinary lab for pre-service primary teachers. *Paper submitted to be published in the e-Proceedings of the 13th ESERA Conference, “The beauty and pleasure of understanding: engaging with contemporary challenges through science education”, 26-30 August, 2019, Bologna (IT)*.

Levrini, O., **Tasquier, G.**, Branchetti, L., & Barelli, E. (2019). Developing future-scaffolding skills through Science Education. *International Journal of Science Education*, 41(18), 2647-2674. https://doi.org/10.1080/09500693.2019.1693080.

**Tasquier, G.**, Branchetti, L., Levrini, O. (2019). Frantic Standstill and Lack of Future: How Can Science Education Take Care of Students’ Distopic Perceptions of Time? *Bridging Research and Practice in Science Education*, 205-224, Springer.

Malgieri, M., Branchetti, L., De Ambrosis, A., Levrini, O., **Tasquier, G.** (2018). Students’ idiosyncratic voices and the learning of quantum physics in secondary school: a case study of appropriation. In Finlayson, O.E., McLoughlin, E., Erduran, S., & Childs, P. (Eds.), Electronic Proceedings of the ESERA 2017 Conference. Research, Practice and Collaboration in Science Education, Part 2, co-ed. Tytler R. and Carvalho G.S., pp. 387-400. Dublin, Ireland: Dublin City University. ISBN 978-1-873769-84-3

Levrini, O., Levin, M., Fantini, P., **Tasquier, G.** (2018). Orchestration of classroom discussions that foster appropriation. *Sci Ed. 2018;1–30*. https://doi.org/10.1002/sce.21475

**Tasquier, G.**, Levrini, O., Laherto, A., Palmgren, E., Wilson, C. (2018). The challenge of working with the future within STEM education. In Kay, J. and Luckin, R. (Eds.) Rethinking Learning in the Digital Age: Making the Learning Sciences Count, 13th International Conference of the Learning Sciences, vol. III. International Society of the Learning Sciences: London (UK), June 23-27, 2018.

Branchetti, L., Cutler, M., Laherto, A., Levrini, O., Palmgren, E. K., **Tasquier, G.**, Wilson, C. (2018). The I SEE project: An approach to futurize STEM education. *Visions for sustainability*, 9, pp. 10 – 26, Special Issue: Science education futures (invited paper for a Special Issue).

Branchetti, L., **Tasquier, G.** (2018). The Role of Mathematics in Quantum Physics for High School Students: a Case Study. Paper published on Proceedings of the 7th International Conference of New Perspectives in Science education, 23-23 March, 2018, Firenze – Italy.

Barelli, E., Branchetti, L., **Tasquier, G.**, Albertazzi, L., Levrini, O. (2018). Science of Complex Systems and Citizenship Skills: A Pilot Study with Adult Citizens. *EURASIA Journal of Mathematics, Science and Technology Education*, 14, pp. 1533 – 154.

**Tasquier**, **G.**, Pongiglione, F. (2017). The Influence of Causal Knowledge on the Willingness to Change Attitude toward Climate Change: Results from an Empirical Study. *International Journal of Science Education,* 39*(13)*, 1846-1868.

**Tasquier, G.**, Levrini, O., Dillon, J. (2016). Exploring Students’ Epistemological Knowledge of Models and Modelling in Science: Results from a Teaching/Learning Experience on Climate Change. *International Journal of Science education*, 38 (4), 539-563.

**Tasquier, G.** (2016). Leading secondary school students to face the disciplinary, epistemological and societal challenges of climate change. In J. Lavonen, K. Juuti, J. Lampiselkä, A. Uitto & K. Hahl (Eds.), *Electronic Proceedings of the ESERA 2015 Conference. Science education research: Engaging learners for a sustainable future,* Part 9, co-ed. M. Achiam & G. Carvalho, pp. 1251-1262*.* Helsinki, Finland: University of Helsinki. ISBN 978-951-51-1541-6

Levrini, O., De Ambrosis, A., Hemmer, S., Laherto, A., Malgieri, M., Pantano, O., & **Tasquier, G.** (2016). Understanding first year students’ curiosity and interest about Physics – Lessons learned from the HOPE project. *European Journal of Physics*, 38 (2), 025701.

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