

# Alessio Gabriele

Date and place of birth: 22/01/1977 in Sora (Italy)

Nationality: Italian

Residence: L'Aquila (Italy)

ORCID: <https://orcid.org/0000-0002-3671-9020>

E-mail: [a.gabriele@consaq.it](mailto:a.gabriele@consaq.it) – [alessio.gabriele@gmail.com](mailto:alessio.gabriele@gmail.com)

Personal website: [www.alessiogabriele.com](http://www.alessiogabriele.com)



## Composer, Lecturer, Violinist, Researcher

Enacting Artistic Research (EAR) - WP3 Coordinator for the Conservatory of Music "A. Casella" of L'Aquila.

## Current positions

Jan. 2021 – present	Professor (full-time/tenure track position) in Multimedia, Department of Electronic Music (New Technologies and Musical Languages) of Conservatory of Music of L'Aquila
Mar. 2024 - present	Adjunct Professor (part-time) in Electroacoustic Music Composition, Computer Music, Musical Acoustics, Conservatory of Music of Terni

## Research interests

Multimedia signal processing, algorithmic music composition, human-computer and human-arts interaction, real-time audio embedded systems, sonic interaction design, self-adaptive systems, augmented musical instruments, embodied music cognition, multimodal perception, sonification, artistic languages and scientific thought integration.

## Education

2024 -	PhD Candidate in Computer Science, GSSI Gran Sasso Science Institute, school for advanced studies.
Apr. 2013	Master of Arts in Electronic Music (Specialisation in Composition) <ul style="list-style-type: none"><li>• Institution: Conservatory of Music of L'Aquila</li><li>• Thesis: "<i>Molti suoni, Unanima – percorsi di ricerca fra arte e scienza?</i>"</li><li>• Final mark: 110/110 e lode (Magna cum laude)</li></ul>
Mar. 2009	Master in Computer Science <ul style="list-style-type: none"><li>• Institution: University of L'Aquila, Dept. of Computer Science</li><li>• Thesis: "<i>ADOPERA - definizione di un framework per la realizzazione di opere d'arte intermediali tempo-varianti?</i>"</li><li>• Final mark: 110/110 e lode (Magna cum laude)</li></ul>
Feb. 2008	Bachelor of Arts in Music and New Technologies <ul style="list-style-type: none"><li>• Institution: Conservatory of Music of L'Aquila</li><li>• Thesis: "<i>SPAZIO 1N – progetto e realizzazione di una installazione sonora d'arte per solo e moltitudini?</i>"</li><li>• Final mark: 110/110 e lode (Magna cum laude)</li></ul>
Dec. 2002	Bachelor in Computer Science <ul style="list-style-type: none"><li>• Institution: University of L'Aquila, Dept. of Computer Science</li><li>• Thesis: "<i>Un Middleware light-weight per la Riconfigurazione Dinamica di Componenti Software?</i>"</li><li>• Final mark: 108/110</li></ul>
Oct. 2001	Master of Arts in Violin <ul style="list-style-type: none"><li>• Institution: Conservatory of Music of L'Aquila</li><li>• Final mark: 9/10</li></ul>
Oct. 1995	Diploma of Secondary School focusing on Technical-Commercial- <ul style="list-style-type: none"><li>• Institution: Istituto Tecnico Commerciale Cesare Baronio of Sora</li><li>• Final mark: 60/60</li></ul>

### Additional education and research

Jan 2010 – June 2010	Course of improvisation and aleatoric composition with Giancarlo Schiaffini
29 May 2006 – 3 June 2006	Master Class in Computer Music <i>Formazione e deformazione dello spazio acustico e visivo</i> with Ludger Brümmer, Olivier Warusfel, Xavier Serra, Antony Moore.
23 – 27 May 2005	Master Class in Computer Music <i>Materia e Vibrazione</i> with Rainer Boesch, Curtis Roads
5 Nov. 2016 – 15 Mar 2018	Research grant “Controlli vibrazionali e adattivi per Strumento musicale Aumentato a Membrana” (1100 hours) during the S.A.M. project; Conservatory of Music “Santa Cecilia” of Rome
Sep. 2006 – Dec. 2006	Collaboration with the Computer Music Laboratory DIST-University of Genoa for research on interactive multimodal systems, analysis, and treatment of gesture expressiveness through the EyesWeb platform.

### Previous academic positions

Feb. 2021 – Oct. 2021	Professor (full-time/tenure track position) in Multimedia, Department of New Technologies and Musical Languages of Conservatory of Music of Bari
Jan. 2013 – Oct. 2021	Adjunct Professor (part-time) in Multimedia, Department of Electronic Music (New Technologies and Musical Languages) of Conservatory of Music of L’Aquila
May 2019 – Oct. 2019	Adjunct professor in Electroacoustic, Electronic Music & Sound Engineers Department of Conservatory of Music of Cuneo
Mar. 2015 – Oct. 2017	Adjunct professor in Electroacoustic, Department of Electronic Music of Conservatory of Music of Salerno

### Awards

July 2018, 2020, 2021, 2022, 2023	Selected for the music programme of <i>ArteScienza</i> International Music Festival ed. 2018, 2020, 2021, 2022, 2023, 2024
Dec 2019	Selected for the music program of the <i>In Vitro</i> Festival – Fondazione Matera – Basilicata 2019
Mar. 2017 – July 2018 – June 2019 – Apr. 2013	Selected for the music programme of <i>New York City Electronic Music Festival</i> ed. 2017 – 2018 – 2019 - 2013
Oct. 2017 - Dec. 2018	Selected for the music programme season of <i>Accademia Nazionale di Santa Cecilia</i> – Roma ed. 2017 - 2018
June 2012	Selected for the music program of <i>Accademia Filarmonica Romana</i> ed. 2012
Dec 2011	Selected for the music program of <i>Suona Italiano</i> Festival ed. 2011
May 2011	Selected for the music program of <i>IterEter on Musica Electronica Nova</i> Festival , Wroclaw Technical University (Poland),
Oct. 2011	Selected for the music program of <i>Suona Italiano</i> Festival ed. 2011

### Non-academic activity and work experience

Feb. 2004 - present	Music composition, IT and multimedia systems management at CRM Centro Ricerche Musicali of Rome
Nov. 2019 – Feb. 2021	Information Technology Assistant/Programmer (Regione Abruzzo, Giunta regionale)
May 2008 – Oct. 2019	Information Technology Assistant/Programmer (Regione Lazio, Giunta regionale)
July 2004 – May 2008	Information Technology Assistant/Programmer (Regione Abruzzo, Consiglio regionale)
1998 - present	Violin player as soloist and in chamber ensembles and orchestras (e.g. the Orchestra Sinfonica Abruzzese, Orchestra of the Marrucino Theater in Chieti, Solisti Aquilani, Roma Sinfonietta, the "G. d’Annunzio" University Orchestra of Chieti, Orchestra Camerata Italica).

### Involvement in national and international research projects and research activities

July 2023 - present	PRIN (Projects of Relevant National Interest) of Italian Ministry of University and Research for project “Musical Metaverse” (first-ranked among 287 applications): scientific committee member.
2024 - 2026	PNRR (Piano Nazionale di Ripresa e Resilienza) of European Union, NextGenerationEU, project “Italy for Arts: Resources, Time and Space” (D.D. 70 - 20 March 2024): internationalization and scientific committee member ( <i>SHARED</i> project, curator Michelangelo Lupone)
2024 – 2026	PNRR (Piano Nazionale di Ripresa e Resilienza) of European Union, Mission 4 – Education and Research, component 2, “From Research to Business” – Investment 1.5, with the support of the European Union – NextGenerationEU. project <i>ARTECOM – Art, Technology and Community</i> : scientific committee, music and multimedia composer.

## Teaching experience

---

Jan. 2021 - present	At Conservatory of L'Aquila "A. Casella": <ul style="list-style-type: none"> <li>Lecturer for the full module of "Systems, technology, applications and programming languages for multimedia", "Computer Music", "Computer Music Composition", "Technologies and audio restoration techniques", "Programming Languages for Audio and Audio Applications"</li> <li>Supervision of master and bachelor students</li> <li>Examiner for master and bachelor courses modules</li> </ul>
Mar. 2024 – Oct. 2025	At Conservatory of Terni "G. Briccialdi" <ul style="list-style-type: none"> <li>Lecturer for the full module of "Music computer science", "Electroacoustic musical composition", "Music word processing and computerized music publishing", "Musical acoustics"</li> <li>Examiner for master and bachelor courses modules</li> </ul>
Feb. 2021 – Oct. 2021	At Conservatory of Bari "N. Piccinni": <ul style="list-style-type: none"> <li>Lecturer for the full module of "Systems, technology, applications and programming languages for multimedia"</li> <li>Examiner for master and bachelor courses modules</li> </ul>
May 2019 – Oct. 2019	At Conservatory of Cuneo "G.F. Ghedini": <ul style="list-style-type: none"> <li>Lecturer for the full modules of "Electroacoustic"</li> <li>Examiner for master and bachelor courses modules</li> </ul>
Mar. 2015 – Oct. 2017	At Conservatory of Salerno "G. Martucci": <ul style="list-style-type: none"> <li>Lecturer for the full modules of "Systems, technology, applications and programming languages for multimedia", "Electroacoustic", "Programming Languages for Computer Music", "Online technologies for music and e-learning"</li> <li>Examiner for master and bachelor courses modules</li> </ul>
Jan 2004 – July 2005	Violin teacher, Scuola di Musica della Valle Roveto "Manfredo Siciliani", Capistrello (L'Aquila)

## Reviewing activities

---

Conferences	<ul style="list-style-type: none"> <li>XXIII Colloquio di Informatica Musicale 2022 (2 papers)</li> <li>Human-Sound Interaction workshop 2020 (1 paper)</li> </ul>
-------------	--

## Collaborative projects

---

Hardware	<ul style="list-style-type: none"> <li>Sensor wired and wireless technologies for interactive multimedia operas</li> <li>Embedded systems and controllers for sound art installations and music performances</li> <li>Electroacoustic systems for music sonic art</li> <li>IT infrastructures and custom architectures for interactive/adaptive multimedia art installations with sensor/actuators networks connected over LAN/Internet</li> </ul>
System design, Software Architecture and Implementation	<ul style="list-style-type: none"> <li>Max/MSP and Python algorithms for sensors control and features extraction, network and communication, human-sound interaction, spatialization and sound synthesis for interactive and adaptive sound art installations and music performances:           <ul style="list-style-type: none"> <li><i>Musica in forma</i> (Rome – IT, 2009, <a href="https://rb.gy/f9xjb8">https://rb.gy/f9xjb8</a>)</li> <li><i>Vibrazioni in acciaio, Vibrazioni in rame</i> (Rome – IT, 2011)</li> <li><i>Enigma del centro</i> (L'Aquila - IT, 2011, <a href="https://rb.gy/u4o2uw">https://rb.gy/u4o2uw</a>)</li> <li><i>Forme Immateriali</i> (Rome – IT, 2015, <a href="https://rb.gy/884gwp">https://rb.gy/884gwp</a>)</li> <li><i>Gioco delle risonanze</i> (Pompei – IT, 2015)</li> <li><i>Terre</i> (Rome – IT, 2013/17, <a href="https://rb.gy/abi1ax">https://rb.gy/abi1ax</a>)</li> <li><i>Via dei Canti</i> (Trevi nel Lazio – IT, 2019, <a href="https://rb.gy/98i34t">https://rb.gy/98i34t</a>)</li> <li><i>Mo(nu)menti Sonori</i> (Rome – IT, 2024, <a href="https://rb.gy/9y8ir3">https://rb.gy/9y8ir3</a>)</li> </ul> </li> <li>Max/MSP/Jitter algorithms for Computer Vision feature extraction and video processing/synthesis</li> </ul>
Music Performances	<ul style="list-style-type: none"> <li>Nov 2022: MAXXI L'Aquila – ElettroAQuistica Ensemble live concert</li> </ul>

## Computer skills and competences

---

Operating Systems	Windows, Linux, macOS
Programming experiences	Python, C, C++, Java, Max/MSP and Pure Data (and their native code for externals), Faust, TouchDesigner, Arduino IDE, JUCE framework, Unity 3D, Processing, CSound, HTML, PHP, JavaScript, CSS, XML, Json, Visual Basic script, SQL
Hardware	Embedded Systems, Sensors Technologies, Computer Vision and Video Motion Capture System Technology, Head Mounted Displays Technology (e.g., Meta Quest 3)
Audio, Video and Graphics applications	Reaper, Cubase, Nuendo, Audition, Audacity, Sonic Visualizer, Gimp, Photoshop, DaVinci Resolve, Max-MSP-Jitter, Pure Data, TouchDesigner
Server	Apache, IIS

## Artistic skills and competences

---

Player	Acoustic and electronic violin, viola, chamber and symphonic classical music, computer music, live electronics
Composer	Electroacoustic music, computer music, acousmatic and mixed (with instruments/voices) music, sound art installations, interactive and adaptive multimedia installations

## Personal artistic productions and performances (selected)

- 14 July 2024 *Atlantide Attesa* – “*Oltre l'Antico Mondo e il Nuovo*”, for voice and electronics on poetry by Francis Bacon, Elena De Carolis reciting voice, Manuela Cherubini text adaptation, music by Alessio Gabriele, Silvia Lanzalone; Laura Bianchini, **Goethe-Institut Rom**, Rome
- 4 July 2024 *Atlantide Attesa* – *Approdo*, for voice and electronics on poetry by Francis Bacon, Elena De Carolis reciting voice, Manuela Cherubini text adaptation, music by Alessio Gabriele, Silvia Lanzalone; Laura Bianchini, **Goethe-Institut Rom**, Rome
- 10 July 2023 *Ombre Rose Ombre*, for voice and electronics on poetry by Ingeborg Bachmann, Manuela Cherubini - Alessio Gabriele, **Goethe-Institut Rom**, Rome
- 18 Nov. 2022 *Come gli aquiloni*, for electronic viola, acoustic viola and live electronics, Fabrizio De Melis – Carlotta Libonati – Alessio Gabriele, ElettroAQuistica Ensemble live concert, **MAXXI L'Aquila**
- 13 July 2022 *Alpha Aurigae*, for saxophone quartett and live electronics, Saxatile quartett - Alessio Gabriele, **Goethe-Institut Rom**, Rome
- 7 – 17 July 2021 *De Natura (Da)TA* – *fonosintesi*, interactive sound art installation with live social media data sonification, **Goethe-Institut Rom**, Rome – IT, 2021, <https://rb.gy/ny9ttf>
- 16 July 2020 *Come gli aquiloni*, for electronic viola, acoustic viola and live electronics, Luca Sanzò – Carlotta Libonati – Alessio Gabriele, **Goethe-Institut Rom**, Rome
- 14 Dec 2019 *Echi d'Acqua*, interactive sound art installation, **Palombaro Lungo**, Matera
- 20 June 2019 *Àme lie*, for alto sax WindBack, female voice and electronics, **Loreto Theatre**, New York City
- 1 Jan. 2019 *Riflessi di Luna*, acousmatic music and sonification with sound projectors (Olofoni), **Accademia Nazionale di Santa Cecilia**, Lungotevere Aventino, Rome
- 14 Oct. 2018 *Music Screens*, sound art installation and acousmatic music for Leonard Bernstein, **Auditorium Parco della Musica**, Rome
- 2 July 2018 *Sinolo*, acousmatic music for a dancer, **Goethe-Institut Rom**, Rome
- 20 July 2018 *Encara*, acousmatic music, **Abrons Art Center, Experimental Theater**, New York City
- 5 – 9 Oct. 2017 *A più Voci*, sound art installation and acousmatic elaboration of classical music, **Auditorium Parco della Musica**, Roma
- 28 June 2017 *Still*, acousmatic music, **Paper Concert Hall**, L'Aquila
- 1 – 8 July 2016 *Incipit a due voci*, acousmatic music, **Goethe-Institut Rom**, Rome
- 2 Oct. 2013 *De Illusione*, acousmatic music, **Teatro Flavio Vespasiano**, Rieti
- 25 June 2013 *Presi per incantamento*, acousmatic music and sound art installation, **Accademia Filarmonica Romana**, Rome
- 4 Apr. 2013 *Unanima*, acousmatic music, **New York City Electroacoustic Music Festival**, CUNY Graduate Center, New York City
- 25 – 28 June 2012 *Sono tutti confusi, non c'è nessuno oggi che non sia confuso*, interactive sound art installation, **Accademia Filarmonica Romana**, Rome
- 7 Dec. 2011 *Lo Stesso Mare*, for four percussionists and electronics, Suona Italiano Festival, **Auditorium Cité de la musique et de la danse**, Strasbourg
- 27 June 2011 *Polvere negli occhi, nel cuore sogni*, acousmatic music and video, **Liceo Scientifico “A. Bafile”**, L'Aquila
- 18 Dec. 2010 *RiCreazione*, acousmatic music, **Liceo Scientifico “A. Bafile”**, L'Aquila
- 17 May 2011 *Abots*, acousmatic music, **IterEter on Musica Electronica Nova Festival**, Wroclaw Technical University, Poland
- 28 – 29 Oct. 2008 *SPAZIO 1N*, interactive sound art installation, **Società Aquilana dei Concerti “B. Barattelli”**, L'Aquila
- 5 Dec. 2007 Performance of pieces for Hyperviolin within the framework of the Hyperviolin Laboratory, **Macro Future Rome**.
- 2004 - 2008 Concertmaster of the second violin section in the Orchestra Camerata Italica and solo part of the ensemble I solisti della Camerata Italica with concerts in Italy and abroad, among others Sala Verdi in Milan, Accobsademia Filarmonica of Rome, Sermoneta Festival, Festival dei Due Mondi of Spoleto, Festival Uto Ughi per Roma, Auditorium dell'Università Cattolica del Sacro Cuore di Roma, Music Academy of Tallinn, Palazzo dei Conservatori di Roma, Basilica S. Maria Maggiore of Rome, Santa Maria in Ara Coeli of Rome.
- 1998 - present Concert activity as a violinist in Italy and abroad in chamber and orchestral ensembles collaborating with musicians such as Vittorio Antonellini, Luis Bacalov, Antonio Ballista, Marcello Bufalini, Michele Campanella, Giorgio Carnini, Angelo Faja, Giorgio Gaslini, Matthieu Mantanus, Vincenzo Mariozzi, Marcello Panni, Vittorio Parisi, Donato Renzetti, Carlo Rizzari,, Nicola Samale, Pasquale Veleno, Ulrich Windfuhr, Marco Zuccarini

## Recordings

---

2018 SaxOut! saxophone and electronics, track *Ame lie*, per Sax alto, WindBack, Female Voice and Electronics, Alessio Gabriele composer, Enzo Filippetti sax, Eleonora Claps voice; Ed. CESMEL, 2018

## Personal skills and competences

---

Tongues Italian (mother tongue), English (fluent), Spanish (basic), French (basic)  
 Management Project management, human resources coordination, independent thinking

## Third mission

---

Apr. 2023 – Sept. 2023 Seminars on Electronic Music at the high school Liceo Classico E.Q: Visconti (Rome, Italy)

## Memberships

---

Jan. 2022 - present Board of directors of Coordinamento Nazionale Docenti di Musica Elettronica (CoME)

## Publications

---

### Journal papers

1. M. Lupone, L. Bianchini, S. Lanzalone, **A. Gabriele**. *Research at Rome's Centro Ricerche Musicali on Interactive and Adaptive Installations and on Augmented Instruments*. Computer Music Journal, vol. 44, p. 133-158, ISSN: 0148-9267, [https://doi.org/10.1162/comj\\_a\\_00570](https://doi.org/10.1162/comj_a_00570)

### Book chapters

2. P. Inverardi, P. Pelliccione, M. Lupone and **A. Gabriele**. *Ad-Opera: Music-inspired Self-adaptive Systems*. Chapter 14 in Computation for Humanity: Information Technology to Advance Society, CRC Press, 2013, ISBN 9781439883273.

### Articles in conference proceedings

3. A. Boem, M. Tomasetti, **A. Gabriele**, A. Di Scipio and L. Turchet. *User needs in the Musical Metaverse: a case study with electroacoustic musicians*. International Conference on New Interfaces for Musical Expression, 2024.
4. L. Bianchini, M. Lupone, S. Lanzalone, **A. Gabriele**. *Augmented Instruments at CRM – Centro Ricerche Musicali of Rome: Feed-Drum, SkinAct, WindBack and ResoFlute*. Proceedings of the ICMC - International Computer Music Conference, New York, 2019.
5. M. Lupone, L. Bianchini, **A. Gabriele**, S. Lanzalone, M. De Luca. *Struttura, creazione, interazione, evoluzione: la ricerca al CRM per la realizzazione di Forme Immateriali di Michelangelo Lupone*. Proceedings of XXI Colloquio di Informatica Musicale. Cagliari, 2016.
6. M. Lupone, S. Lanzalone, **A. Gabriele**, M. De Luca. *Forme Immateriali by Michelangelo Lupone: structure, creation, interaction, evolution of a permanent adaptive music work*. Proceedings of the Electroacoustic Winds 2015 Conference, Aveiro, 2015.
7. **A. Gabriele**. *LAdOp1: definizione e computazione degli adattamenti in opere d'arte intermediali adattive*. Proceedings of XX Colloquio di Informatica Musicale, Roma, 20-22 Ottobre 2014, pages 71-76, ISBN 9788890341335.
8. **A. Gabriele**, M. Lupone, P. Inverardi and P. Pelliccione. *Ad-Opera: Music-inspired Self-adaptive Systems*. Proceedings of the FSE/SPD Working Conference on Future of Software Engineering Research, pages 119-124, 2010, ISBN 978-1-4503-0427-6.

Last updated: 14 March 2025