



Association Européenne des
Conservatoires, Académies de
Musique et Musikhochschulen

Annual Meeting for
AEC Annual Meeting for International Relations Coordinators
25th September 2020

LoLa, the SWING project, the digital shift




Royal Conservatoire
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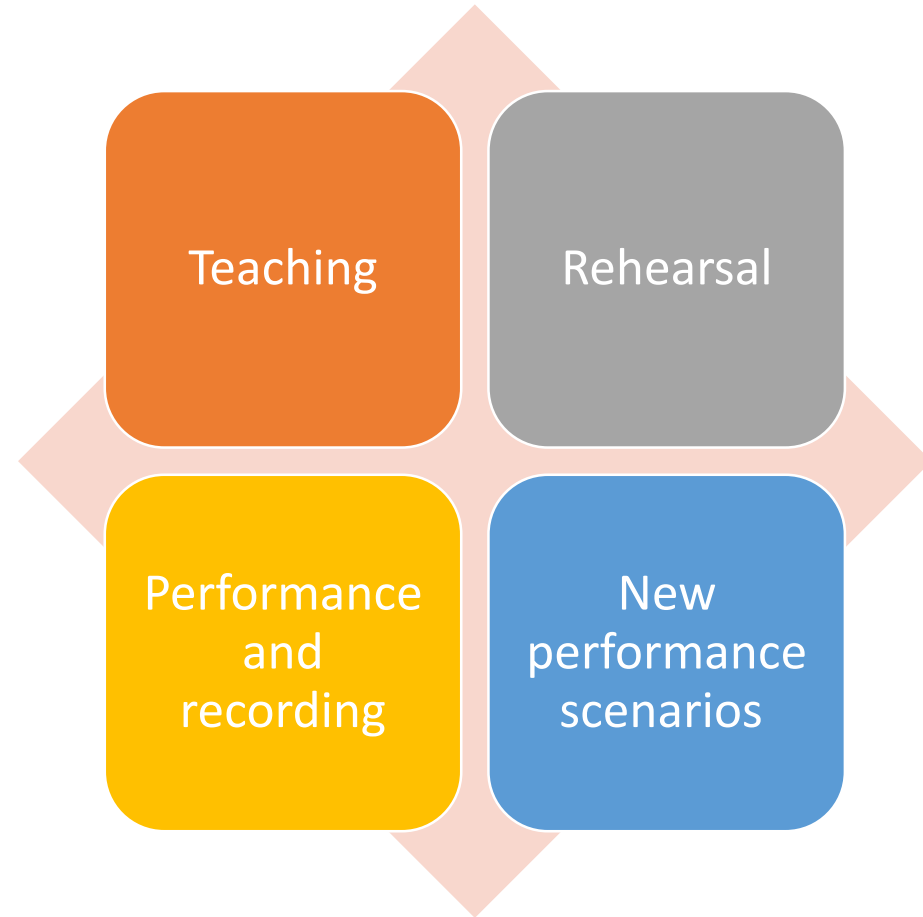
What is LoLa?

- 
- low-latency
 - high quality
 - audiovisual system
 - enabling real time musical performances

Development

- Conservatorio di Musica Giuseppe Tartini of Trieste, 2005
- developed between 2008 and 2010 with the collaboration of GARR
- first public demonstration November 2010 - piano duo performance between Music Conservatory in Trieste and IRCAM) in Paris, 1,300 kilometres apart

How can LoLa be used?



Teaching

LoLa facilitates:

- master classes
- standard music lessons

perform together with students



Royal Conservatoire
of Scotland

Rehearsal

Rehearse more intensively
before a concert



Performance and recording

Edinburgh Napier
UNIVERSITY

recording sessions

live concerts



New performance scenarios

*Longing for the
impossible*

*RDAM Copenhagen
2017*



THE ROYAL
DANISH
ACADEMY OF MUSIC



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- Licensed software - free for academic and education;
- PC with graphics and sound card;
- hardware;
- fast and stable network



User feedback on LoLa

More appreciated by music performance teachers and students - a new and different possibility.

The AEC SWING project – positive reaction from teachers, students and technicians.

Piano teacher

Was LoLa helpful to support online teaching during the Covid-19 lockdown?

Yes and no:

- facilities were no longer accessible
- lockdown has tremendously increased interest in using the LoLa system

How does LoLa help reduce the carbon footprint?

- Decreases the overall amount of travel activities
- Opens up new and environmentally friendly opportunities for communication and dissemination.

Research

- Davies, 2015. The effectiveness of LOLA (Low LATency) audiovisual streaming technology for distributed music practice
- Drioli, et al., 2013. Networked Performances and Natural Interaction via LOLA: Low Latency High Quality A/V Streaming System
- Ferguson, 2013. Using low-latency net-based solutions to extend the audio and video capabilities of a studio complex
- Redman, 2020. The potential of videoconferencing and low-latency (LoLa) technology for instrumental music teaching
- Riley, et al., 2014. Low Latency Audio Video: Potentials for Collaborative Music Making Through Distance Learning

Who can I contact if I am interested in more information about LoLa?

Email: lola-project@garr.it



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SWING Project

SWING (Synergic Work Incoming New Goals for Higher Education Music Institutions) is an Erasmus+ strategic partnership project running from 2018 to 2021.

The project is led by the Consortium GARR, the Italian national computer network for universities and research. The main objective of GARR is to design and manage a very high-performance network infrastructure that delivers advanced services to the academic and scientific community.

SWING Project

Trials of LoLa were conducted in three conservatoires in Austria, Italy and Slovenia. Following the trials, interviews were conducted with teachers, students and technicians in the three establishments. Respondents were asked to consider and comment on the following issues:

- Their personal relationship with technology
- The advantages and disadvantages of LoLa from the point of view of learning and teaching
- How the various aspects of communication changed
- Their perception and management of sound parameters in face-to-face and LoLa settings
- Can LoLa replace or enrich the traditional lesson?

More information about LoLa?

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