International Interactive Workshop on

# Quantum Technology, Music, and Creative Expression

**with Prof. Eduardo Reck Miranda** *(University of Plymouth)*
and **Prof. Satofumi Souma** *(Kobe University)*

Prof. Eduardo Reck Miranda *(University of Plymouth)*

**How will quantum computing reshape the future of music and human creativity?**

**Join us for an afternoon of inspiring talks, live demos, and interactive discussions with a world pioneer in quantum computer music.**

## Date & Time:

## Saturday, 10 October 2026

14:00 – 18:00
(Doors open at 13:30)

## Venue:

V Room (Seminar Room V105)
Information Value Creation Education Building,

## Kobe University

(In-person only)

**[PROGRAM]**

**Part 1: Opening & Keynote (Prof. E R Miranda)**
**Part 2: Demos Session**
**Part 3: Poster Session & Networking**
**Part 4: Quantum Computer Music Performance**
*(Grand Finale Concert)*

Information Value Creation Education Building, Kobe University

**Registration**

## Call for Posters

We welcome poster presentations from students and researchers. Ongoing projects are highly welcome.

■ **Scope & Topics:**
- Music Information & Creative Systems: AI music, Interactive audio, sound synthesis, media art, etc.
- Quantum Computing for Creative Applications: Generative art/music/text, or any artistic Implementations of quantum phenomena.

**Poster application (express interest):**
**by September 4, 2026** (Details can be submitted later)

**Admission**: Free (Registration required)
**General Registration**: Rolling admission until filled (Early registration recommended)

**Organized by**: EP4A Lab., Kobe University
**Cooperation**: EntangleTune
**Supported by**:
Kobe University International Joint Research Promotion Program and the University of Plymouth

**Contact:** Satofumi Souma (Dept. of Electrical and Electronic Engineering, Kobe Univ.) ssouma@harbor.kobe-u.ac.jp

# International Interactive Workshop on Quantum Technology, Music, and Creative Expression

**[Saturday, 10 October 2026] Announcement**

On Saturday, 10 October 2026, Kobe University will host an international interactive workshop on quantum technology, music, and creative expression. This workshop will feature Prof. Eduardo Miranda from the University of Plymouth, a world-leading pioneer in artistic expression using quantum computers. The event will include a talk and demonstration-performance by Prof. Miranda on musical expression using quantum computers, followed by a collaborative session and discussion. It will also provide an open platform for active exchange of ideas among participants. In the latter part of the program, as one of the highlights of the event, Prof. Miranda will present a concert-style performance. We warmly invite you to experience, at the venue, new possibilities of expression arising at the intersection of cutting-edge technology and the arts, and to join us in exploring and discussing them together.

## Guest Profile

**Eduardo Reck Miranda** is a composer and Professor in Computer Music at the University of Plymouth (UK), where he runs the Interdisciplinary Centre for Computer Music Research (ICCMR). His research explores music, computing, AI, and emerging technologies, including quantum computing and music neurotechnology.

He has worked with AI in music since the 1980s, completed a doctoral dissertation on AI and music at the University of Edinburgh, and has continued to pioneer new forms of musical expression combining computation and human creativity. He has also led internationally recognized work in brain-computer music interfacing, including projects that use brain signals to enable music-making for people with severe motor impairments. His work has attracted international media attention, including coverage by Forbes, the BBC, and CNN, and he continues to expand the boundaries between technology and artistic expression.

## Organizer/Contact

**Satofumi Souma** (Department of Electrical and Electronic Engineering, Kobe University).
Satofumi Souma is an associate professor in the Department of Electrical and Electronic Engineering, Kobe University. His research interests include quantum transport theory, semiconductor device simulation, and interdisciplinary applications of quantum computing, including music and creative expression.
Email: ssouma@harbor.kobe-u.ac.jp

## Registration:

Please register via the link below or QR code.
Registration form URL: https://forms.gle/pC5tPcmKK2HWNj3DA