



Sebastian Duran

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ABOUT ME

I am a PhD student at University of Bologna within the NEMUS ERC project. Besides the PhD, I am board member at the Young Acousticians Network, part of the European Acoustics Association (YAN-EAA) and I am also a student member of the Institute of Acoustics (IOA) in the UK.

WORK EXPERIENCE

PhD student within NEMUS ERC project

University of Bologna [2022 – Current]

City: Bologna | Country: Italy

PhD title "Experimental vibroacoustics analysis of orthotropic soundboards. Application to the digital restoration of ancient musical instruments"

[NEMUS - Numerical Restoration of Historical Musical Instruments](#)

Graduate Freelance Acoustician

Acoustics engineering firm -Enrico Manzi- [2021 – 2022]

City: San lazzaro di Savena | Country: Italy

- Building, architectural and environmental acoustics measurements
- Architectural acoustics modelling

[Enrico Manzi::Team](#)

Freelance Translator

ATLANTE [2021 – 2021]

City: Valsamoggia | Country: Italy

Contribution for the translation from english to italian of "Fender 75 years" by Dave Hunter

VOLUNTEERING

[2021 – Current]

Board member at Young Acousticians Network (YAN)

Social media manager

Link: <https://euracoustics.org/yan/>

EDUCATION AND TRAINING

Higher education course in Acoustics / "Tecnico competente in acustica"

University of Bologna [2021]

City: Bologna | Country: Italy | Website: <https://www.unibo.it/it/studiare/dottorati-master-specializzazioni-e-altra-formazione/corsi-alta-formazione/2021-2022/tecnico-competente-in-acustica-formazione-permanente-5521>

Master of science in Applied Acoustics

Solent University, Southampton [2020]

City: Southampton | Country: United Kingdom | Website: <https://www.solent.ac.uk/>

Bachelor of science in Music Technology

Solent University, Southampton [2019]

City: Southampton | Country: United Kingdom | Website: <https://www.solent.ac.uk/>

NETWORKS AND MEMBERSHIPS

[2023 – Current]

Student Membership, Institute of Acoustics (IOA), UK

CERTIFICATES

[2024]

Summer school in Physics of musical instruments applied to instrument making, International centre for mechanical sciences (CISM), Italy

[2022]

Winter School on Psychoacoustics, Aalborg University

[2017]

Avid certified Music Operator, Pro Tools

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 READING B2 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Spanish

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

French

LISTENING A2 READING B1 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

[2024]

Affordable wide-band measurement ecosystem for musical acoustics based on electro- dynamic transducers

Journal article

L. Ausiello, M. Ducceschi, S. Duran et al.

[2024]

Establishing a benchmark for comparative analysis of thin and thick plate modal frequencies: A non-dimensional paradigm

Conference paper

S. Duran, H. Tahvanainen and M. Ducceschi

[2024]

A method to estimate the rectangular orthotropic plate elastic constants using least-squares and Chladni patterns

Journal article

M. Ducceschi, S. Duran, H. Tahvanainen et al.

[2023]

Variable bracing patterns to tune soundboards and membrane speakers

Conference paper

L. Ausiello, M. Ducceschi, S. Duran et al.

[2023]

Experimentally-tuned Synthesis Of A Thin Plate

Conference paper

S. Duran, M. Ducceschi, H. Tahvanainen et al.

[2023]

THREE YEARS OF THE EAA'S YOUNG ACOUSTICIANS NETWORK IN SOCIAL MEDIA

Conference paper

Elie Abi Raad, Marcelo Argotti, S. Duran et al.

Fast Estimation Of Wood Elastic Constants Using Least-Squares

Conference paper

S. Duran, M. Ducceschi, H. Tahvanainen et al.

[2021]

An Archaeoacoustics Analysis of Cistercian Architecture: The Case of the Beaulieu Abbey

Journal article

S. Duran, M. Chambers and I. Kanellopoulos

[2020]

AN ARCHAEOACOUSTICS INVESTIGATION OF THE BEAULIEU ABBEY

Conference paper

S. Duran, M. Chambers and I. Kanellopoulos

[2020]

Impact of room acoustics on perceived vocal fatigue of staff-members in Higher- education environments: a pilot study

Engineering brief paper

S. Duran and L. Ausiello

[2021]

ACOUSTIC DESIGN CRITERIA FOR HIGHER-EDUCATION LEARNING ENVIRON- MENTS

Conference paper

