

Europass Curriculum Vitae

Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

Fax(es)

Email(s)

Nationality(-ies)

Date of birth

Gender

Erkut, Cumhur

Lauttasaarentie 46 A 2, 00200 Helsinki, Finland

+358 9 451 53 49 (Work), +358 40 707 12 13 (GSM)

+358 9 460 224

Cumhur.Erkut@tkk.fi

Turkish

30.10.1969

Male

Occupational field

Work experience

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

August 2007 to present

Academy Research Fellow

Scientific research in accordance with a set research plan (% 95). Teaching and postgraduate supervision (% 5).

[Academy of Finland](#), Research Council for Natural Sciences and Engineering, Helsinki, Finland

Academic

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

November 2002 to August 2007

Postdoctoral Researcher

Research and reporting according to a set plan in national and international projects (% 95). Instruction associated to this research (% 5).

Helsinki University of Technology (TKK), [Lab. Acoustics and Audio Signal Processing](#), Espoo, Finland

Academic

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

July 1999 to November 2002

Research Scientist

Research and reporting according to a set plan in national and international projects

Helsinki University of Technology (TKK), [Lab. Acoustics and Audio Signal Processing](#), Espoo, Finland

Academic

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

February 1994 to September 1998

Research Scientist, Teaching Assistant

Research according to a set plan (% 50). Instruction and thesis supervision (% 50).

Yildiz Technical University (YTU), [Dept. Electronics and Communications Eng.](#), Istanbul, Turkey

Academic

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

January 1993 to February 1994

Sound Engineer, Assistant Producer, Assistant Director

Recorded sound material, engineered audio post-production, and composed music for films and TV.

[Select Sight and Sound](#), Istanbul, Turkey

Content creation

Dates	March 1992 to January 1993
Occupation or position held	Sound Engineer
Main activities and responsibilities	Sound studio engineering and maintenance.
Name and address of employer	Manajans/JWT , Istanbul, Turkey
Type of business or sector	Content creation

Scientific expert positions

Editorial Board Member	Journal of Interdisciplinary Music Studies
Reviewer in Scientific Journals	IEEE Signal Processing Magazine, IEEE Signal Processing Letters, IEEE Transactions on Audio, Speech and Language Processing, EURASIP Journal on Applied Signal Processing, Acta Acustica united with Acustica
Chairs and Memberships in International Conferences	Technical Chair in Digital Audio Effects (DAFx) Conference. Program Committee Member in European Signal Processing Conference and International Computer Music Conference
Reviewer in International Conferences	European Signal Processing Conference, International Computer Music Conference, International Conferences and Conventions of the Audio Engineering Society

Most important scientific positions of trust

Dates	September 2004 to September 2005
Tasks	Coordinated the activities of five European universities within the working group, reported to the Workgroup and Consortium Management

Most important scientific acknowledgements and awards

Academy Research Fellowship and research grant for the project [Schema-SID: Synthesis, Control, and Hierarchical Event Modeling Algorithms for Sonic Interaction Design](#) ([Academy of Finland](#), 120583, 2007)

Grant for Doctoral Research on Sound Source Modeling ([Jenny and Antti Wihuri Foundation](#), 2000)

Grant for Analysis and Physical Modeling of Tanbur (Center of International Mobility ([CIMO](#)), 1998)

Education and training

Dates	1999-2002
Title of qualification awarded	Doctor of Science (in Technology)
Principal subjects	Acoustics and Audio Signal Processing (Major), Computer and Information Science (Minor)
Name and place of organization	Helsinki University of Technology (TKK), Espoo, Finland

Dates	1994-1997
Title of qualification awarded	Master of Science
Principal subjects	Communications Engineering
Name and place of organization	Yildiz Technical University (YTU), Istanbul, Turkey

Dates	1987-1994
Title of qualification awarded	Bachelor of Science
Principal subjects	Electrical Engineering
Name and place of organization	Yildiz Technical University (YTU), Istanbul, Turkey

Dates	1980-1987
Title of qualification awarded	High-school Degree
Principal subjects	Science Major (science lessons in German)
Name and place of organization	Istanbul Lisesi , Istanbul, Turkey

Personal skills and competences

Mother tongue(s)	Turkish
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Self-assessment
European level^(*)

English

German

Finnish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B2	Independent user	B2	Independent user	B1	Independent user	A2	Basic user	B1	Independent user
A2	Basic user	A2	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

^(*) Common European Framework of Reference (CEF) level

Technical skills and competences

Experience in digital audio signal processing, digital filter design, real-time audio effects processing, real-time sound synthesis, and model-based sound synthesis. Competence in multi-rate signal processing and in the emerging field of sonic interaction design.

Computer skills and competences

Good command of word processing, presentation, and spreadsheet programs on Linux and MS WindowsTM operating systems. Advanced skills in [L^AT_EX](#), C and C++ programming languages, [GNU-OCTAVE/MATLABTM](#) and [MathematicaTM](#) environments, and [audio signal processing software](#).

Organisational skills and competences

While working as the Audio Working Group Leader in the [S2S²](#) Consortium, I coordinated the work of the following units by means of remote communication and virtual project management:

- Department of Information Engineering, Università di Padova, Padova, Italy
- Department of Computer Science, Università di Verona, Verona, Italy
- Lab. Acoustics and Audio Signal Processing, Helsinki University of Technology, Espoo, Finland
- Department of Cognitive Research, Ecole Normale Supérieure, Paris, France
- Music Technology Group, Fundació Universitat Pompeu Fabra, Barcelona, Spain.

I co-organized a special session on Model-based Sound Synthesis in European Signal Processing Conference ([EUSIPCO 2005](#)), and coordinated Audio Processing Seminars for regular and postgraduate students in 2004 and 2005, all with [Vesa Välimäki¹](#).

While working for [YTU](#), I organized a course on advanced topics in Digital Signal Processing.

Social skills and competences

Team Work

I collaborate with researchers from different backgrounds (computer science, psychology, musicology, technical physics, neuroscience, and interaction design), musicians, and musical instrument makers in multidisciplinary research environments.

Multicultural Environment

I am residing in Finland since 1998, and I believe that my integration is complete. The special status of my high school provided me both proficiency in German language and education by German teachers.

Artistic skills and competences

I performed computer music with Helsinki Computer Orchestra ([HCO](#)) and am involved in sound design for contemporary dance pieces. In 2004, I worked as a Performing Artist in [Kallava Theater Festival](#) (Kuopio, Finland) and as a Resident Artist in [Full Moon Dance Festival](#) (Pyhäjärvi, Finland).

Other skills and competences

My voluntary research on cetacean bioacoustics ([Delphis](#), Ischia, Italy), participation in a biomusic workshop ([eINTERFACE'07](#), Istanbul, Turkey), and my involvement in [HCO](#) provided competence to conduct independent or collaborative research on fields otherwise unfamiliar.

Additional information

Marital status

Married, one child.

References

Available upon request.

Annexes

[List of Publications](#)

¹ I received teaching awards in 2004 and 2005 from the [Department of Electrical and Communications Engineering](#) of the [TKK](#), based on student feedback.