Dr. Richard Boulanger

Professor
Music Synthesis Department
Berklee College of Music

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Education

UNIVERSITY OF CALIFORNIA, SAN DIEGO
Ph.D. *Computer Music* 6/85
Computer Music with F. Richard Moore
Composition with Roger Reynolds, Joji Yuasa, Bernard Rands
Dissertation: *The Transformation of Speech into Music: A Musical Exploration and Interpretation of Two Recent Digital Filtering Techniques*

VIRGINIA COMMONWEALTH UNIVERSITY, RICHMOND
M.M. *Composition* 11/80
Electronic Music with Loran Carrier
Composition with Jack Jarrett and Alan Blank
Thesis: "*As Freedom is a Breakfastfood*" *A Setting of Three Poems by* e.e. cummings *for Chorus with Soloists, Orchestra, Tape, and Synthesizer*

NEW ENGLAND CONSERVATORY OF MUSIC, BOSTON
B.M. *Composition* 5/78
Electronic Music with Robert Ceely
Composition with Malcolm Peyton
Thesis: "*Three Soundscapes*" *for Two Arp 2600 Synthesizers and Orchestra Commissioned by the Newton Symphony, Michel Sassoon – Conductor*

Certificates

MASSACHUSETTS STATE CERTIFIED TEACHER
Special Subject: *Music* #0232972 12/78

Private Study

THEORY
Hugo Norden - Boston University

COMPUTER MUSIC
Max Mathews - Bell Labs
Barry Vercoe - Massachusetts Institute of Technology
Hal Chamberlin - Kurzweil Music Systems
Dexter Morrill & Bruce Pennycook - Colgate University

Teaching Experience

6/86 - present   **PROFESSOR OF MUSIC**
Berklee College of Music, Boston
Music Synthesis Department
Classroom and Private Instruction in Music Synthesis
Musical Application of Synthesizers, Computers, Multi-Media and MIDI

spring 1991   **ADJUNCT PROFESSOR OF MUSIC**
Brown University, Providence
Department of Music - Gerald Shapiro, Chairman
Classroom Instruction in Computer Music Composition

summer 1989   **ADJUNCT PROFESSOR OF MUSIC**
Northeastern University, Boston
Department of Music - Joshua Jacobson, Chairman
Classroom Instruction in Undergraduate Theory

6/81 - 7/83   **RESEARCH ASSISTANT**
University of California, San Diego
Center for Music Experiment Computer Audio Research Lab
Concert Production, Promotion, and Coordination
Lecture/Demonstration and Tutorial Instruction
Assistant to Pauline Oliveros, Charles Wuorinen, and Joji Yuasa

9/80 - 6/81   **TEACHING ASSISTANT**
University of California, San Diego
Department of Music
Classroom Instruction in Music Theory & Ear Training

8/79   **COMPUTER MUSIC TUTOR**
Colgate University Computer Music Studio
Dexter Morrill, Director
Lab Monitor for Summer Course in Computer Music

8/78 - 5/79   **TEACHING ASSISTANT**
Virginia Commonwealth University, Richmond
Electronic Music Laboratory
Tutorial Instruction in Music Synthesis Techniques
Electronic Music Concert Coordinator & Lab Monitor

11/76 - 6/78   **HIGH SCHOOL TEACHER**
Governor Dummer Academy, Byfield Massachusetts
Jack Ragle - Headmaster
Classroom Instruction in Electronic Music
Private Instruction on Guitar, Trumpet, Drums

Music Research & Production Experience
RESEARCH ASSOCIATE

5/86 - present	**Massachusetts Institute of Technology Media Lab**
	Music and Cognition Group, under Barry Vercoe
	Independent Computer Music Research and Music Production
	Lecture/Demonstration and Tutorial Instruction

SOFTWARE DESIGNER

5/89 - present	**Northeastern University Department of Music**
	Dr. D. Miller and Dr. K. Ayoob - Grant Coordinators
	Designed HyperCard Drills & Courseware for Music Theory I

COMMERCIAL SYNTHESIZER/SOFTWARE CONSULTANT

| 4/89 - present | **Intelligent Music** - Albany, New York |
| | Joel Chadabe, President |

| 6/89 - 12/92 | **Micro Technology Unlimited** - Raleigh, North Carolina |
| | David Cox, President |

12/76 - 12/81	**ARP Synthesizer Company** - Lexington, Massachusetts
	Consulting on **Avatar** Guitar Synthesizer Project
	Contributing Editor on "Music Synthesizer Laboratory Project"

MUSICAL ASSISTANT

9/85 - 2/86	**Massachusetts Institute of Technology Media Lab**
	Assistant to **Anthony Davis** "*Song Sounds Sweeter Even So*" project
	Computer Music Research, Production, and Sound Design

7/83 - 3/84	**University of California Computer Audio Research Lab**
	Assistant to **Roger Reynolds** "*Transfigured Wind*" project
	Computer Music Research, Production, and Sound Design

4/83 - 7/83	**University of California Computer Audio Research Lab**
	Assistant to **Pauline Oliveros** "*Wheel of Time*" project
	Computer Music Sound Design and Production

AD HOC REVIEWER

| 9/83 - 1/85 | **Music Perception** Diana Deutsch, editor |
| | University of California Press |

RECORDING ENGINEER

1983	San Diego, California
	Michel Redolfi's *Sonic Waters*
	Hat Hut Records, Therwil, Switzerland: **hatART2002** (side 4)

LABORATORY ASSISTANT

7/82 - 1/85	**University of California, San Diego**
	Department of Psychology and Linguistics
	Assistant to Psychoacoustician **Diana Deutsch**
	Running Subjects in Experiments and Collecting Data
	Synthesizing Digital Audio Source Material for Experiments

Awards & Honors

| 1995 | **EARLY PROMOTION** |
| | From Associate Professor to Professor |

| 1990 | **PRESIDENT'S AWARD** |
| | Berklee College of Music, Boston |

For Outstanding Contribution to Berklee's International Stature

1989   **FULBRIGHT**
Senior Fulbright Lecturer in Electronic & Computer Music
    Academy of Music, Krakow, Poland : Jan-June 1990
    Included Lectures and Solo Concerts Throughout Eastern & Western Europe

1988   **EARLY PROMOTION**
From Assistant to Associate Professor

1987   **SPECIAL FACULTY AWARD**
Berklee College of Music, Boston

1986   **NEWCOMP INTERNATIONAL COMPUTER MUSIC COMPETITION**
First Prize: "*Three Chapters from the Book of Dreams*"

1985 - 86   **VISITING ARTIST**
The McColl Electronic Music Studio - Brown University

1984   **SPECIAL MUSIC DEPARTMENT AWARD**
University of California, San Diego

1983   **DISSERTATION FELLOWSHIP**
Office of Graduate Studies and Research, UCSD

             NATIONAL STRING QUARTET COMPETITION
Ives Center - Danburry, Connecticut

1979   **COMPUTER MUSIC SCHOLARSHIP**
Massachusetts Institute of Technology

1975   **ASPEN STUDENT COMPOSER SCHOLARSHIP**
Aspen School of Music - Aspen, Colorado

Grants

1987   **MEET THE COMPOSER GRANT**
Hamilton College - Hamilton, New York
    To Premiere "*From Temporal Silence*"

1984   **CHANCELLOR'S ASSOCIATE GRANT**
Office of Graduate Studies and Research, UCSD

1979   **MEET THE COMPOSER GRANT**
Newton Symphony Orchestra
    To Premiere "Three Soundscapes for Synthesizer and Orchestra"

Record Label

1991   **NEUMA - Electro Acoustic Music 1**
With Paul Lansky, Charles Dodge, Jean-Claude Risset, & Kaija Saariaho
    Recording of "*from Temporal Silence*" for Processed Clarinet & MIDI

Selected Invited Lectures in the United States

11/91   **ACOUSTIC SOCIETY - Houstin, Texas**
    "Electroacoustic Instruments in Jazz: A Compositional Perspective"

10/91   **SOCIETY FOR ELECTROACOUSTIC MUSIC IN THE U.S.**
National Conference - University of Illinois, Champaign
    "Approaching *Open Forms* via the Mathews *Conductor* Program"

3/91   **ELECTRONIC CAFE - Santa Monica, California**
    "Conducting the MIDI Orchestra with the Mathews Radio Baton"

2/91   **HEIDELBERG COLLEGE - Heidelberg, Ohio**

Featured Composer – Contemporary Music Festival
"New Instruments for New Music"

11/90   ## ACOUSTIC SOCIETY - San Diego, California
"Integrating Electronic Instruments into the Acoustic Ensemble"

6/89   ## BROOKLYN COLLEGE - Center for Computer Music
Guest Lecturer: Summer Course in Computer Music
"from Mainframe to MIDI: Musical Solutions to some Common Concerns"

6/89   ## BOSTON COMPUTER MUSEUM
Conference on Creativity in the Arts sponsored by **NEWCOMP**
"Research at Home: The Impact of MIDI on the Serious Composer"

5/89   ## UNIVERSITY OF NEW HAMPSHIRE - Durham
Conference on the Macintosh in Education sponsored by Apple
"Developing HyperCard-based Courseware for Music"

5/89   ## BROOKDALE COMMUNITY COLLEGE - Lincroft, New Jersey
Keynote Speaker: Statewide Electronic Music Conference
"Current Trends and Future Directions in Electronic Music"

11/88   ## SOCIETY FOR ELECTROACOUSTIC MUSIC IN THE U.S.
National Conference - Seattle, Washington
"From Organized Notes to Organized Sound: The Emerging Roles of
 Personal Workstations for the Composer, Producer, and Arranger"

10/88   ## SMALL COMPUTERS IN THE ARTS NETWORK - SCAN
National Conference - Philadelphia, Pennsylvania
"Developing an Innovative Music Curriculum with Commercial Software"

9/88   ## BROOKDALE COMMUNITY COLLEGE - Lincroft, New Jersey
"From MIDI to Music: Composing for the Electronic Orchestra"

8/88   ## MACWORLD EXPO - BOSTON
Seminar on the Musical Use of the Macintosh Computer
"The Macintosh in Music Education and Performance"

6/88   ## GETTYSBURG COLLEGE - Gettysburg, Pennsylvania
Practicum on Computing in the Undergraduate Fine Arts
"Developing a Computer-based Course in Composition and Orchestration"

5/86   ## MASSACHUSETTS INSTITUTE OF TECHNOLOGY
"Designing a MIDI-based Workstation for Composition and Performance"

2/86   ## PEABODY CONSERVATORY - Baltimore, Maryland
Graduate Computer Music Seminar
"Composing with Computers: Looking Back and Looking Ahead"

11/85   ## BROWN UNIVERSITY - Providence, Rhode Island
"Integrating Man, Machine, and Music"

9/85   ## GLOBECOM '83 - San Diego, California
IEEE International Communications Conference - Banquet Speaker
"Computer Music: A Compositional Perspective"

Publications

1995   ## The Csound Book - (in progress)
co-authored with Barry Vercoe
"A Textbook Focusing on Instrument Design and Signal Processing Aspects of Csound"

1990   ## COMPUTER MUSIC JOURNAL V14#2
MIT Press, S. Pope, editor
"An Interview with Max Mathews, Barry Vercoe, and Roger Dannenberg"

Electronic Musician - January 1990
C. Anderton, editor - with Prof. D. Miller, Northeastern University
"The Return of Software Synthesis"

1989   ## The Music Machine
MIT Press, C. Roads, editor
"An Interview with Charles Wuorinen, Joji Yuasa, and Roger Reynolds"

1988	**Making Music with Csound**
	Micro Technology Unlimited, David Cox, publisher
	"A Tutorial Workbook on Instrument Design and Synthesis Techniques"
1987	**TRANSONIQ HACKER** V4#7
	J. Talisman, editor
	"Inside Indian Valley Manufacturing: An Interview with Dave Zimbicki"
1986	**PERSPECTIVES OF NEW MUSIC** V24#2
	University of Washington, J. Rahn, editor
	"Toward a New Age of Performance"
	EX TEMPORE V4#1
	University of Alberta, J. MacKay, editor
	"New Tools for the Digital Transformation of Speech into Musical Sound"
	CONNECTICUT COLLEGE JOURNAL
	Connecticut College, N. Zahler, editor
	"The Amplified and Electronic Violins as Performance Instruments"
1984	**COMPUTER MUSIC JOURNAL** V8#4
	MIT Press, C. Roads, editor
	"An Interview with Charles Wuorinen, Joji Yuasa, and Roger Reynolds"
	MUSIC PERCEPTION V2#1
	UC Press, Diana Deutsch, editor - co-authored with Deutsch
	"Octave Equivalence and the Immediate Recall of Pitch Sequences"

Societies

American Society of Composers, Authors, and Publishers
International Computer Music Association
Society for Electroacoustic Music in the United States

Personal

11/10/56	**Born** – Fall River, Massachusetts
07/30/06	Married – Colette Jeanne Sirois – Fall River, Massachusetts
02/15/06	Divorced – Susan Lee Paska – Somerset, Massachusetts
11/23/79	Married – Susan Lee Paska – Somerset, Massachusetts
11/09/81	**Born** – Adam Richard Boulanger – La Jolla, California
10/08/84	**Born** – Philip Daniel Boulanger – San Diego, California
06/04/91	**Born** – Adrien Raymond Boulanger – Fall River, Massachusetts

Works for Radio Baton

Shadows – for Violin and Radio Baton (1986)
Solemn Song for Evening – for Soprano and Radio Baton (1987)
Virtual Encounters – for violin, cello, flute, clarinet, piano and Radio Baton (1988)
Concerto for Virtual Orchestra – for Two Radio Batons (1999)
OutCries – for Baritone Voice & Radio Baton (2000)
I Know of No Geometry – for Solo Radio Baton (2001)
Radio Etudes – for Solo Radio Baton (2002)
GrainStorm – for Solo Radio Baton (2002)
Three Symphonic States – for Symphony Orchestra & Radio Baton (2003)
Moving Into the Light – for Cello & Radio Baton (2004)
Dark Matter – for Solo Radio Baton (2005)
Conducting at C – for Solo Radio Baton (2007)