ARTS@ML

Why Here? What’s Next?

Tod Machover

Wednesdays 2-4 pm (online) / Units 3-3-6
MAS.825 / 21M.580

A Special Edition of Musical Aesthetics and Media Technology
ARTS@ML

Today: Introduction

What we’ll cover
Q&A
How to sign up
Assignment for next week
Arts@ML: History/Future of + Manifesto

Arts@World: with prominent special guests

Projects@Arts@ML
What’s **Special** about Arts@ML?

**Vastly Interdisciplinary**
Art is in our DNA
Program of Events

Tuesday, October 1, 1985
5 pm  Presentation of Henry Moore's Reclining Figure, 1963  Sculpture Garden  Albert and Vera List Visual Arts Center  followed by Preview of Exhibitions and Reception for the Council for the Arts at MIT

Wednesday, October 2, 1985
9 am to 4:30 pm  Symposium on Media Arts and Sciences  Albert and Vera List Visual Arts Center  followed by Preview of Exhibitions and Reception for the Council for the Arts at MIT

Thursday, October 3, 1985
9 am to 5 pm  Symposium on Media Technologies  Presented by the Media Laboratory and the Industrial Liaison Program  Kresge Auditorium  8:15 am  Reception  Kresge Auditorium  8:45 am  Introduction: Nicholas P. Negroponte, J. Peter Bari  9:00 am  Television Post Broadcast: Walter R. Bender, Andrew B. Lippman  10:00 am  Advanced Television: William F. Schieble  11:40 am  Break  11:00 am  Intelligent Telephones: Christopher M. Schmandt  11:40 am  Eyes on Output: Richard A. Bolt  12:20 pm  Lunch  Sala de Puerto Rico, Student Center  Luncheon Speaker: Jerome B. Wiesner  2:00 pm  Synthetic Holography: Stephen A. Benton  2:35 pm  Realistic Computer Animation: David L. Zeltzer  3:10 pm  Break  3:30 pm  Synthetic Performers: Barry L. Verno  4:05 pm  Computers and Creativity: Marvin Minsky, Marvin L. Minsky  5:00 pm  Reception  The Wiesner Building Atum  20 Ames Street
Michael J. Crichton
Steven P. Jobs
Sherry R. Turkle
Kresge Auditorium

12:15 pm
Dedication Luncheon
Remarks by Paul E. Gray

Remarks by Frank S.M. Hodson
Chairman, National Endowment for the Arts
Address by Jerome B. Wiesner
Creating with Computing

2:30 pm to 4 pm
Learning with Computing
Margaret L.A. MacVicar
Koji K. Kobayashi
Seymour A. Papert
Kresge Auditorium

4 pm
Remarks by I.M. Pei
Kresge Auditorium

5 pm
Dedication Ceremonies and Reception
Philippe Villers Experimental Media Facility and the Atrium
Wiesner Building

8:45 am
Introduction/Nicholas P. Negroponte, J. Peter Bartl

9:20 am
Television Past Broadcast/Walter R. Bender, Andrew B. Lippman
10:00 am
Advanced Television/William F. Schreiber
10:40 am
Break
11:00 am
Intelligent Telephones/Christopher M. Schmandt
11:40 am
Eyes as Output/Richard A. Bolt
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Lunch
Sala de Puerto Rico, Student Center
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3:30 pm
Synthetic Performers/Barry L. Vercoe
4:05 pm
Computers and Creativity/Marvin Denicoff, Marvin L. Minsky
5:00 pm
Reception
The Wiesner Building Atrium
20 Ames Street
Art is in our DNA
Art is in our DNA

Media Arts and Sciences
Proposal to Add an Area of Concentration called:

Media Arts and Sciences

To the Department of Architecture’s PhD Program in

Art, Architecture, and Environmental Studies

January 30, 1986

It is proposed to set up a new field of advanced study, to be called Media Arts and Sciences, in the Architecture Department. At present 15 doctoral students in Architecture are working in an experimental program at the Media Laboratory, under supervision of faculty members there. We believe that the nature of their work is sufficiently distinct to warrant creating a new field of study. The following text describes the overall five year plan for degrees in this area.
The spirit of the laboratory is to combine techniques and sensitivities drawn from engineering, from the arts, and from the human sciences. The technological focus is exemplified by the work in advanced television led by Professor William Schreiber and by research in holography led by Professor Stephen Benton. The focus on artistic values is exemplified by the Experimental Music Studio led by Professor Barry Vercoe, the Visible Language Workshop led by Professor Muriel Cooper, and the Film/Video section led by Professor Richard Leacock. The group most heavily engaged in the human sciences is the Learning and Epistemology section led by Professor Seymour Papert. But such separations of focus must be seen in a dialectical spirit. We describe ourselves in this way as a first approximation for people looking in from the outside and also to make it clear that people coming into the lab will bring and maintain the intellectual and aesthetic standards of their own disciplines. But in reality, engineering, the arts and the human sciences penetrate widely through the laboratory. A high priority for the director, Professor Nicholas Negroponte, and the entire faculty is to nurture this interpenetration.
Not an Art School

The Juilliard School, New York City
“Once in Amsterdam, a Dutch musician said to me, “It must be very difficult for you in America to write music, for you are so far away from the centers of tradition.’

“I had to say, ‘It must be very difficult for you in Europe to write music, for you are so close to the centers of tradition.’ “

- John Cage
Blurred Boundaries = Good!
Silk Pavilion
Wage Islands
The Musical Mind of Marvin Minsky

Music, Mind, and Meaning

musicmindandmeaning.org
A TORONTO SYMPHONY
Concerto for Composer and City

by Tod Machover and the City of Toronto

City Symphonies
Our “Speculative Art” Really Works!
Figure 4: Block diagram of the cello bow position sensing system
Art that Matters

More than “Art for Art’s Sake”

Model for collaboration & synthesis

Inspiration for tech & science

Ask questions about value & meaning

Transformative Action for People & Society
Understand legacy, build next generation!
# Syllabus

**ARTS@ML (MAS.825)**  
Fall Term 2020  
Wednesdays, 2-4 pm

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>September 9</td>
<td>Introduction to ARTS@ML (Tod Machover)</td>
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<td>September 16</td>
<td>History, Themes and Interconnections of Arts at the MIT Media Lab (Tod Machover)</td>
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<td>September 23</td>
<td>The Future of Museums (with Paola Antonelli, Senior Curator of Architecture &amp; Design at MoMA, NYC)</td>
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<td>September 30</td>
<td>Avant-Garde to Pop and back (with Peter Gabriel, musician-performer-entrepreneur-activist)</td>
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<td>October 7</td>
<td>The Future of Theater (with Diane Paulus, theater/opera/Broadway-musical director and Artistic Director of the A.R.T. at Harvard)</td>
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<td>October 14</td>
<td>Designing Buildings, Monuments and Transformational Spaces (with Craig Dykers, architect and founding partner of Snøhetta)</td>
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<td>October 21</td>
<td>The Future of Music Performance (with Yo-Yo Ma and Jacob Collier)</td>
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<td>October 28</td>
<td>New Media Experiences-Content-Contexts (with panel of artists-curators-producers hosted by Zach Lieberman)</td>
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<tr>
<td>November 4</td>
<td>Art, Politics and Society (with panel of artists/activists hosted by Ekene Ijeoma)</td>
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| Week of November 11 | This class will be rescheduled for another day/time due to Veterans Day holiday on 11/11  
| November 11 | Discussion of ARTS@ML Manifesto and of Class Projects             |
| November 18 | Doing Big Projects at the Lab – from Brain Opera to Death and the Powers to The Overstory (with Tod Machover) |
| December 2 | Discussion of Class Projects                                         |
| December 9 | Final Class Presentations                                            |
| December 12| Possible "Public" Presentation of Class Projects                     |
September 16
History of ARTS@ML

Jerry Wiesner

Glorianna Davenport

Ricky Leacock

Marvin Minsky

Muriel Cooper

John Maeda

Steve Benton
September 16

History of ARTS@ML

Neri Oxman
Ekene Ijeoma
Zach Lieberman

Pattie Maes
Cynthia Breazeal
Joe Paradiso
Hiroshi Ishii
Tod Machover
September 16

History of ARTS@ML

STUDENTS!!
September 23

The Future of Museums

Paola Antonelli
Senior Curator of Architecture & Design
MoMA
September 30

Avant-Garde to Pop and back

Peter Gabriel
musician-performer-entrepreneur-activist
October 7

The Future of Theater

Diane Paulus
Director of Theater-Opera-Broadway Musicals
Terrie and Bradley Bloom Artistic Director of the American Repertory Theater (A.R.T.) at Harvard University
October 14
Building, Monuments & Transformational Spaces

Craig Dykers
Co-Founder
Senior Partner
Snøhetta
October 21

The Future of Music Performance

Jacob Collier

Yo-Yo Ma
October 28

New Media Experiences, Content & Context

** Panel **

curated by
Zach Lieberman
Future Sketches group
MIT Media Lab
November 4

Art, Politics & Society

** Panel **

curated by
Ekene Ijeoma
Poetic Justice group
MIT Media Lab
Public Guest Lectures | Black Progress with Hank Willis Thomas and Hugh Hayden
November 11
(*week of*)

Discussion:
ARTS@ML
Manifesto &
Class Projects
November 18

Doing Big Arts Projects at the Lab
December 2

Discussion of Class Projects

Individual or group projects that embody the “future spirit of ARTS@ML” that we will be developing in this class.
December 9

Final Presentation of Class Projects