



**1917-2017**

**TRANSCEND THE POWERS OF TEN: I'MPOSSIBLE**

**Week 1**

**SUN 07.23.17 WELCOME TO UCLA**

1:00 – 3:00    Sproul Cove                      Arrival and Check-In                      Counselors

**MON 07.24.17 INTRO TO ART, DESIGN, NANOSCIENCE | TOOLS OF ART AND NANO**

|               |                       |                                     |   |
|---------------|-----------------------|-------------------------------------|---|
| 9:00 – 10:00  | CNSI Auditorium       | Introduction to Sci Art NanoLab     | Vesna+Gimzewski+Stieg+Jacques+Instructors |
| 10:00 – 11:30 | Lobby                 | Workshop    Drawing                 | Amisha Gadani - Guest Artist              |
| 11:30– 12:00  | CNSI Auditorium       | Lecture    Intro to Nanoscaling     | Adam Stieg                                |
| 12:00 – 1:00  | Lobby                 | Lunch    Group                      | All                                       |
| 1:00 – 2:00   | CNSI Auditorium       | Lecture    Two Cultures + 1917-2017 | Victoria Vesna                            |
| 2:00 – 5:30   | Lobby                 | Workshop    Drawdio                 | Chacin+Dunham+Lilak                       |
| 5:30 – 7:00   | Roof - 64 South Patio | Welcome Party                       | All                                       |

**TUES 07.25.17 TOOLS OF VISUALIZATION | UNDERSTANDING NANO**

|               |                 |   |                               |
|---------------|-----------------|---|-------------------------------|
| 9:00 – 9:15   | CNSI Auditorium | Video, feedback, and review-prep for day                    | All instructors               |
| 9:15 – 10:00  | CNSI Auditorium | Lecture    Tools of Visualization in Nano and Biotechnology | Adam Stieg                    |
| 10:00 – 11:00 | CNSI Auditorium | Lecture    MATZA: Anticipating the extreme                  | Severan Guelpa - Guest Artist |
| 11:00 – 12:30 | Lobby           | Workshop    DIY Microscopy                                  | Lorusso + Instructors         |
| 12:30 – 1:30  | Campus          | Lunch   |                               |
| 1:30 – 2:30   | Lobby           | Workshop    DIY microscopy - finish                         | Lorusso + Instructors         |
| 2:30 – 4:30   | CNSI            | Rotating Lab Visits CNSI Core Technology Centers            |                               |
|               |                 | · Optical Microscopy - ALMS Core Lab                        |                               |
|               |                 | · Electron Microscopy - EICN Core Lab                       |                               |
|               |                 | · Scanning Probe Microscopy - NPC Core Lab                  |                               |
|               |                 | · Nanofabrication - ISNC Clean Room                         |                               |
| 4:30 – 5:30   | CNSI Auditorium | Lecture   | James Gimzewski               |

|             |                 |                                      |            |
|-------------|-----------------|--------------------------------------|------------|
| 7:00 – 9:00 | CNSI Auditorium | Sci-Fi Film Series (Metropolis 1927) | Counselors |
|-------------|-----------------|--------------------------------------|------------|

**WED 07.26.17 FROM EYES TO AIS / THE AIS OF TECHNOLOGY | VIRTUALIZING VISUALIZATION**

|               |                 |   |                              |
|---------------|-----------------|---|------------------------------|
| 9:00 – 9:30   | CNSI Auditorium | Video, feedback, and review-prep for day                          | All instructors              |
| 9:30 – 10:00  | CNSI Auditorium | Lecture “Shifting Perspectives”                                   | Hsinyu Lin                   |
| 10:00 – 10:30 | CNSI Auditorium | Lecture “Becoming a SciArtist”                                    | Rita Blaik - Guest Scientist |
| 10:30 – 12:30 | Lobby           | Workshop “Third Eye: Pushing the Anatomy of Tiny Camera “         | Hsinyu Lin                   |
| 12:30 – 1:30  | Campus          | Lunch   |                              |
| 1:30 – 2:00   | CNSI Auditorium | Lecture “Virtualizing the Natural”                                | Joteva + Han + Moore         |
| 2:00 – 4:30   | Lobby           | Workshop “Virtualizing the Natural” I                             | Joteva + Han + Moore         |
| 4:30 – 5:30   | Lobby           | Wrap-up & group selections   Idea formation   Guidelines   Rubric | All instructors              |
| 7:00 – 9:00   | CNSI Auditorium | Sci-Fi Film Series (The Iron Giant)                               | Counselors                   |

**THU 07.27.17 ENGAGING ECOLOGICAL NETWORKS**

|               |                 |  |                                |
|---------------|-----------------|--|--------------------------------|
| 9:00 – 9:30   | CNSI Auditorium | Video, feedback, and review-prep for day | All instructors                |
| 9:30 – 10:00  | CNSI Auditorium | Lecture Guest artist                     | David Prince - Guest Artist    |
| 10:00 – 12:30 | Lobby           | Workshop “Bioplastics”                   | David Prince                   |
| 12:30 – 1:30  | Campus          | Lunch                                    |                                |
| 1:30 – 2:30   | CNSI Auditorium | Lecture “Macro-Micro-Nano Ecologies”     | Mick Lorusso                   |
| 2:30 – 4:30   | Lobby           | Workshop “Macro-Micro-Nano Climate”      | Mick Lorusso                   |
| 4:30 – 5:30   | CNSI Auditorium | Lecture Birds                            | Chuck Taylor - Guest Scientist |
| 7:00 – 9:00   | TBA             | Group activity + Scan origami            | Counselors                     |

**FRI 07.28.17 DESIGN THINKING | ARTIFICIAL LIFE**

|               |                    |  |                                     |
|---------------|--------------------|--|-------------------------------------|
| 9:00 – 9:30   | CNSI Auditorium    | Video, feedback, and review-prep for day | All instructors                     |
| 9:30 – 10:00  | CNSI Auditorium    | Lecture Intro to Design                  | Claudia Jacques                     |
| 9:30 – 11:00  | Lobby              | Workshop Ideation                        | Chacin + Lamoncha                   |
| 10:30 – 12:00 | Lobby              | Studio Projects discussions              | Students                            |
| 12:00 – 1:00  | Campus             | Lunch                                    |                                     |
| 1:00 – 2:00   | CNSI Auditorium    | Critique Midterm                         | Students + Counselors + Instructors |
| 2:00 – 2:30   | CNSI Auditorium    | Lecture “Assistive Tech”                 | Chacin+Dunham+Lilak                 |
| 2:30 – 5:30   | Presentation Space | Workshop “Game of Life”                  | Chacin+Dunham+Lilak                 |
| 5:00 – 5:30   | Presentation Space | Week’s wrap-up                           | All instructors                     |

**SAT 07.29.17 FIELD TRIP**

|              |              |                                      |  |
|--------------|--------------|--------------------------------------|--|
| 10:00 – 2:00 | CSC          | Field Trip California Science Center | I-Max  |
| 2:00 – 5:00  | CSC          | Field Trip Flying Drone & Kites      | James Gimzewski + DeeJay Wickramaratne - Guest Scientist                 |
|              |              |                                      | Tentative- awaiting authorization to fly 3D Scanning + render overnight) |
| 5:00 – 8:00  | Venice Beach | Field Trip                           |  |

**SUN 07.30.16**

|           |        |                  |            |
|-----------|--------|------------------|------------|
| Whole Day | Campus | Group Activities | Counselors |
|-----------|--------|------------------|------------|



## Week 2

### MON 07.31.17 VIRTUALLY PERFORMING NATURE/ NATURAL TO THE VIRTUAL / VIRTUAL NATURE

|              |                 |  |                      |
|--------------|-----------------|--|----------------------|
| 9:00 – 9:30  | CNSI Auditorium | Review Week 1   Intro Week 2               | All instructors      |
| 9:30 – 12:00 | CNSI Auditorium | Workshop “Virtualizing the Natural” II     | Joteva + Han + Moore |
| 12:00 – 1:00 | Campus          | Lunch                                      |                      |
| 1:00 – 3:30  | BAPSF           | Field trip Plasma Lab                      |                      |
| 3:30 – 4:30  | Lobby           | Synthesizing Nature - Lecture and activity | Lorusso + Lamoncha   |
| 4:30 – 5:30  | Lobby           | Studio Students work on projects           | All Instructors      |
| 7:00 – 9:00  | CNSI Auditorium | Sci-Fi Film Series (Gattaca)               | Counselors           |

### TUES 08.01.17 INVESTIGATION

|               |                 |                                    |                              |
|---------------|-----------------|------------------------------------|------------------------------|
| 9:00 – 9:30   | CNSI Auditorium | Video, review, prep for the day    | All instructors              |
| 9:30 – 10:30  | CNSI Auditorium | Lecture                            | Mark Cohen - Guest Scientist |
| 10:30 – 12:00 | Lobby           | Interaction Octopus Brainstorming  | Vesna+Cohen+Joteva           |
| 12:00 – 1:00  | Campus          | Lunch                              |                              |
| 1:00 – 3:00   | CNSI Auditorium | Critique Projects’ research update | Instructor                   |
| 4:00 – 5:30   | Lobby           | Studio Students work on projects   | Instructors                  |
| 7:30 – 9:00   | CNSI Auditorium | Film Series (Arrival)              | Counselors                   |

### WED 08.02.17 INSPIRATION

|              |                 |  |                           |
|--------------|-----------------|--|---------------------------|
| 9:00 – 9:30  | CNSI Auditorium | Video, review, prep for the day  | All instructors           |
| 9:30 – 10:00 | CNSI Auditorium | Lecture Art Methods as Scientific Investigation   Science as Art Inquiry | Lorusso + All Instructors |
| 10:00 – 3:00 | Getty           | Field trip Getty Museum  |                           |
| 3:00 – 5:30  | Auditorium      | Critique Projects’ development update                                    | All Instructor            |
| 7:00 – 9:00  | Sproul          | Studio Students work on projects   | Counselors                |

### THR 08.03.17 PERSPIRATION

|               |                 |                           |                 |
|---------------|-----------------|---------------------------|-----------------|
| 9:00 – 10:00  | CNSI Auditorium | Program review, Q&A       | All instructors |
| 10:00 – 11:00 | CNSI Auditorium | Critique Projects’ update | All Instructor  |
| 11:00 – 12:30 | Lobby           | Studio Final project      | Instructor      |

|              |                 |         |                            |                              |
|--------------|-----------------|---------|----------------------------|------------------------------|
| 12:30 – 1:30 | Campus          | Lunch   |                            |                              |
| 1:30 – 2:45  | CNSI Auditorium | Lecture |                            | Scott Hessels - Guest Artist |
| 2:45 – 5:30  | Lobby           | Studio  | Students finalize projects | Counselors + Instructor      |
| 7:00 – 9:00  | Sproul          | Studio  | Students finalize projects | Counselors                   |

#### **FRI 08.04.17 CLOSING PROGRAM**

|               |                 |  |
|---------------|-----------------|--|
| 9:00 – 10:00  | Lobby           | Morning reception + Final preparations & testing |
| 10:00 – 11:00 | CNSI Auditorium | Welcome & Program Review                         |
| 11:00 – 1:00  | CNSI Auditorium | Final Presentations                              |
| 1:00 – 2:00   | Lobby           | Reception and Certificates                       |

**4:00 – 7:00** Roof - 64 South Patio **10 year Reception**

#### **Notes:**

- All activities start at their scheduled time.
- All activities in the CNSI finish 5 to 10 minutes before the next scheduled time depending on its next location.
- CNSI Auditorium to CNSI Auditorium = 5 minutes.
- Lobby to Lobby: 5 minutes.
- CNSI Auditorium to Lobby: 10 minutes.
- Field trips start and end at their scheduled time with included traveling time.

Ex: 1:00 – 3:30 BAPSF Field trip Plasma Lab

We leave the CNSI at 1 pm promptly and leave BASF 20 minutes before 3:30 pm to arrive in time for the next activity.