

Conference Highlights

Sunday July 28th Arrival

- Hotels for Conference:
 - [Renaissance Providence Downtown](#) (401)919-5000
 - [Hampton Inn Suites Providence](#) (401)608-3500
 - Wyndham Garden Providence Hotel (401)272-5577
 - Check-In for Campus Housing from 1:00 pm – 4:00 pm at Machado House, 87 Prospect Street, Providence, RI (after 4pm please see registration desk)
- Registration Table will be open from 5:00 pm – 8:00 pm at Sayles Hall
- Opening Reception held from 5:00 pm – 8:00 pm at Sayles Hall

Monday July 29th

- Shuttles will run between Lincoln Field at Brown University and the Renaissance, Hampton Inn, and Wyndham Garden from 7:00 am – 9:00 am
- Check in for Campus Dorm Rooms will be from 8:00 am – 10:00 am at Machado House (check-in after this time please see registration desk)
- Registration Table will be open from 7:00 am – 4:00 pm in the lobby of the Sayles Hall
- Light Breakfast to be served from 7:00 am – 9:00 am in the lobby of the Salomon Center
- Lunch will be served from 12:15 pm – 1:30 pm on Pembroke Field
- JMPS Reception 5:30-7:00 pm Faculty Club One Magee Street
- Shuttles will run between Lincoln Field at Brown University and the Renaissance, Hampton Inn, and Wyndham Garden from 5:00 pm – 7:00 pm

Tuesday July 30th

- Shuttles will run between Lincoln Field at Brown University and the Renaissance, Hampton Inn, and Wyndham Garden from 7:00 am – 9:00 am
- Registration Table will be open from 7:00 am – 4:00 pm in the lobby of the Sayles Hall
- Light Breakfast to be served from 7:00 am – 9:00 am in the lobby of the Salomon Center
- Lunch will be served from 12:15 pm – 1:30 pm on Pembroke Field
- Shuttles will run between Lincoln Field at Brown University and the Renaissance, Hampton Inn, and Wyndham Garden from 5:00pm – 6:00pm then from Pembroke Field 6:00pm - 10:00 pm
- SES Open Meeting Pembroke Field House (next to banquet tent) 6:00-6:30
- Cocktail Hour will be held from 6:15pm – 7:00pm on Pembroke Field
- Banquet with Award Ceremony will be held from 7:00 pm – 9:30 pm on Pembroke Field

Wednesday July 31st

- Shuttles will run between Lincoln Field at Brown University and the Renaissance, Hampton Inn, and Wyndham Garden from 7:00 am – 9:00 am
- Registration Table will be open from 7:00 am – 4:00 pm in the lobby of the Sayles Hall
- Light Breakfast to be served from 7:00 am – 9:00 am in the lobby of the Salomon Center
- Lunch will be served from 12:15 pm – 1:30 pm on Pembroke Field
- Shuttles will run between Lincoln Field at Brown University and the Renaissance, Hampton Inn, and Wyndham Garden from 4:30 pm – 9:00 pm
- Lobster Boil will be held from 5:30 pm – 8:30 pm at Sayles Hall

| | Monday July 29 2013 | | | | | | |
|---|---------------------|--------------------|--------------------|------------|-----------|---------------------------------|--------------------|
| | | M1 | M2 | | | M3 | M4 |
| AWARDS SYMPOSIA | 8:00-8:50 | 9:00-10:30 | 10:45-12:15 | 12:15-1:30 | 1:30-2:40 | 2:40-4:00 | 4:20-5:40 |
| 1. SES Medal Symposium in honor of D.J. Steigmann | | McMillan 115 | McMillan 115 | | | McMillan 115 | McMillan 115 |
| 2. Prager Medal Symposium in honor of George Weng | | McMillan 117 | McMillan 117 | | | McMillan 117 | McMillan 117 |
| 3. Eringen Medal Symposium in honor of G. Ravichandran | | Salomon 001 | Salomon 001 | | | Salomon 001 | Salomon 001 |
| MECHANICS OF FLUIDS AND THERMAL SYSTEMS | | | | | | | |
| 1. Computational Mechanics of Biomembranes | | Barus Holley 160 | Barus Holley 160 | | | Barus Holley 160 | |
| 2. Electrohydrodynamics and electrokinetics of fluid systems | | Barus Holley 161 | Barus Holley 161 | | | Barus Holley 161 | Barus Holley 161 |
| MECHANICS OF BIOLOGICAL AND SOFT MATERIALS | | | | | | | |
| 1. Experimental Nanobiomechanics | | Barus Holley 163 | Barus Holley 163 | | | | Barus Holley 163 |
| 3. Mechanics and Physics of Biological Cells | | Barus Holley 166 | Barus Holley 166 | | | Barus & Holley 141 | Barus & Holley 141 |
| 4. Mechanics of cell sheets, multicellular assemblies and tissues | | Barus Holley 141 | Barus Holley 141 | | | | |
| MECHANICS OF SOLIDS AND STRUCTURES | | | | | | | |
| 1. Symposium in honor of Rod Clifton | | Salomon 101 | Salomon 101 | | | Salomon 101 | Salomon 101 |
| 2. Plasticity at Different Length Scales | | CIT 219 | CIT 219 | | | CIT 219 | CIT 219 |
| 7. Discrete Dislocation Plasticity | | | | | | CIT 227 (Joint with atomistics) | Barus-Holley 157 |
| 4. Instability in Solids and Structures | | Barus Holley 190 | Barus Holley 190 | | | Barus Holley 190 | Barus Holley 190 |
| 7. Advancement in Coating Science and Technology | | | | | | RI Hall 108 | RI Hall 108 |
| 9. Soft Materials and Structures | | Barus & Holley 158 | Barus & Holley 158 | | | Barus & Holley 158 | Barus & Holley 158 |
| 10. Characterization and Imaging of Structural and Material Imperfections | | | | | | Barus & Holley 191 | Barus & Holley 191 |
| 13. Multiscale Mechanics of Particulate Media | | Sayles Hall 105 | Sayles Hall 105 | | | Sayles Hall 105 | Sayles Hall 105 |
| MECHANICS IN MATERIALS SCIENCE | | | | | | | |
| 2. Lithium ion batteries: When Chemistry meets Mechanics | | Salomon 003 | Salomon 003 | | | Salomon 003 | Salomon 003 |
| 4. From Atomistics to Reality: Spanning Scales in Simulations and Experiments A | | | | | | CIT 227 (Joint with DD) | CIT 227 |
| 4. From Atomistics to Reality: Spanning Scales in Simulations and Experiments B | | CIT 165 | CIT 165 | | | CIT 165 | CIT 165 |
| 5. Slip Avalanches in Amorphous Metals | | Barus & Holley 168 | Barus & Holley 168 | | | | Barus & Holley 165 |
| 6. Materials for Extreme Environments: Multiscale Experiments and Simulations | | Salomon 203 | Salomon 203 | | | Salomon 203 | Salomon 203 |
| MECHANICS EDUCATION | | RI Hall 108 | RI Hall 108 | | | | |

Salomon 101 SES Medal Lecture DJ Steigman: Mechanics of Lipid Bilayers

Lunch (Pembroke Field)

Salomon 101 SES 50th Anniversary Plenary Lecture: Prof James R. Rice:

Some mechanics studies of earth faults and ice sheets

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| | Tuesday July 30 2013 | | | | | | | |
|---|----------------------|-------------------|-------------------|------------|-----------|-------------------|-------------------|-----------|
| | 8:00-8:50 | T1 9-10:30am | T2 10:45-12:15 | 12:15-1:30 | 1:30-2:40 | T3 2:40-4:00 | T4 4:20-5:40 | 6:30-9:00 |
| AWARDS SYMPOSIA | | | | | | | | |
| 1. SES Medal Symposium in honor of D.J. Steigmann | | McMillan 115 | McMillan 115 | | | McMillan 115 | McMillan 115 | |
| 2. Prager Medal Symposium in honor of George Weng | | McMillan 117 | McMillan 117 | | | McMillan 117 | McMillan 117 | |
| 3. Eringen Medal Symposium in honor of G. Ravichandran | | Salomon 001 | Salomon 001 | | | Salomon 001 | Salomon 001 | |
| MECHANICS OF FLUIDS AND THERMAL SYSTEMS | | | | | | | | |
| 3. Hydrodynamics of Swimming Microorganisms | | Barus Holley 191 | Barus Holley 191 | | | Barus Holley 191 | Barus Holley 191 | |
| 4. Complex Fluids: Suspensions, Emulsions, and Gels | | Barus Holley 160 | Barus Holley 160 | | | Barus Holley 160 | Barus Holley 160 | |
| MECHANICS OF BIOLOGICAL AND SOFT MATERIALS | | | | | | | | |
| 3. Mechanics and Physics of Biological Cells | | Barus Holley 141 | Barus Holley 141 | | | Barus Holley 141 | Barus Holley 141 | |
| MECHANICS OF SOLIDS AND STRUCTURES | | | | | | | | |
| 3. Dynamic Behavior of Materials | | Salomon 101 | Salomon 101 | | | Salomon 101 | Salomon 101 | |
| 5. Mechanics and Dynamics of Periodic Structures | | | | | | | | |
| 7. Discrete Dislocation Plasticity | | RI Hall 108 | RI Hall 108 | | | RI Hall 108 | RI Hall 108 | |
| 4. Instability in Solids and Structures | | Barus Holley 190 | Barus Holley 190 | | | Barus Holley 190 | Barus Holley 190 | |
| 6. Materials Design and Biomimetic Material Concepts | | CIT 227 | CIT 227 | | | Barus Holley 158 | | |
| 15. Advances in nano-composites for thermal and structural applications | | | | | | | Barus Holley 165 | |
| 8. Mechanics of Thin Films and Multilayered Structures | | Salomon 203 | Salomon 203 | | | Salomon 203 | Salomon 203 | |
| 9. Soft Materials and Structures | | Barus Holley 158 | Barus Holley 158 | | | | Barus Holley 158 | |
| 14. Crack initiation and growth: methods, applications, and challenges. | | Sayles Auditorium | Sayles Auditorium | | | Sayles Auditorium | Sayles Auditorium | |
| 11. Engineering Mechanics and Materials in the Oilfield | | Sayles 105 | Sayles 105 | | | Sayles 105 | | |
| 16. Contact Mechanics | | Barus Holley 163 | Barus Holley 163 | | | Barus Holley 161 | Barus Holley 161 | |
| MECHANICS IN MATERIALS SCIENCE | | | | | | | | |
| 1. Synthesis, Characterization, and Modeling of Low-Dimensional Nanomaterials | | Salomon 202 | Salomon 202 | | | Salomon 202 | Salomon 202 | |
| 2. Lithium ion batteries: When Chemistry meets Mechanics | | Salomon 003 | Salomon 003 | | | Salomon 003 | Salomon 003 | |
| 3. Mechanics of Phase Transforming and Multifunctional Materials | | CIT 219 | CIT 219 | | | CIT 219 | CIT 219 | |
| 4. From Atomistics to Reality: Spanning Scales in Simulations and Experiments A | | | | | | CIT 227 | CIT 227 | |
| 4. From Atomistics to Reality: Spanning Scales in Simulations and Experiments B | | CIT 165 | CIT 165 | | | CIT 165 | CIT 165 | |

Salomon 101 Prager Medal Lecture.
George Weng: Micromechanics and some aspects of phase fields in ferroelectric crystals

Lunch (Pembroke Field)

Salomon 101 SES 50th Anniversary Plenary Lecture - Leon Cooper (Brown) Title TBA

Banquet (Pembroke Field)

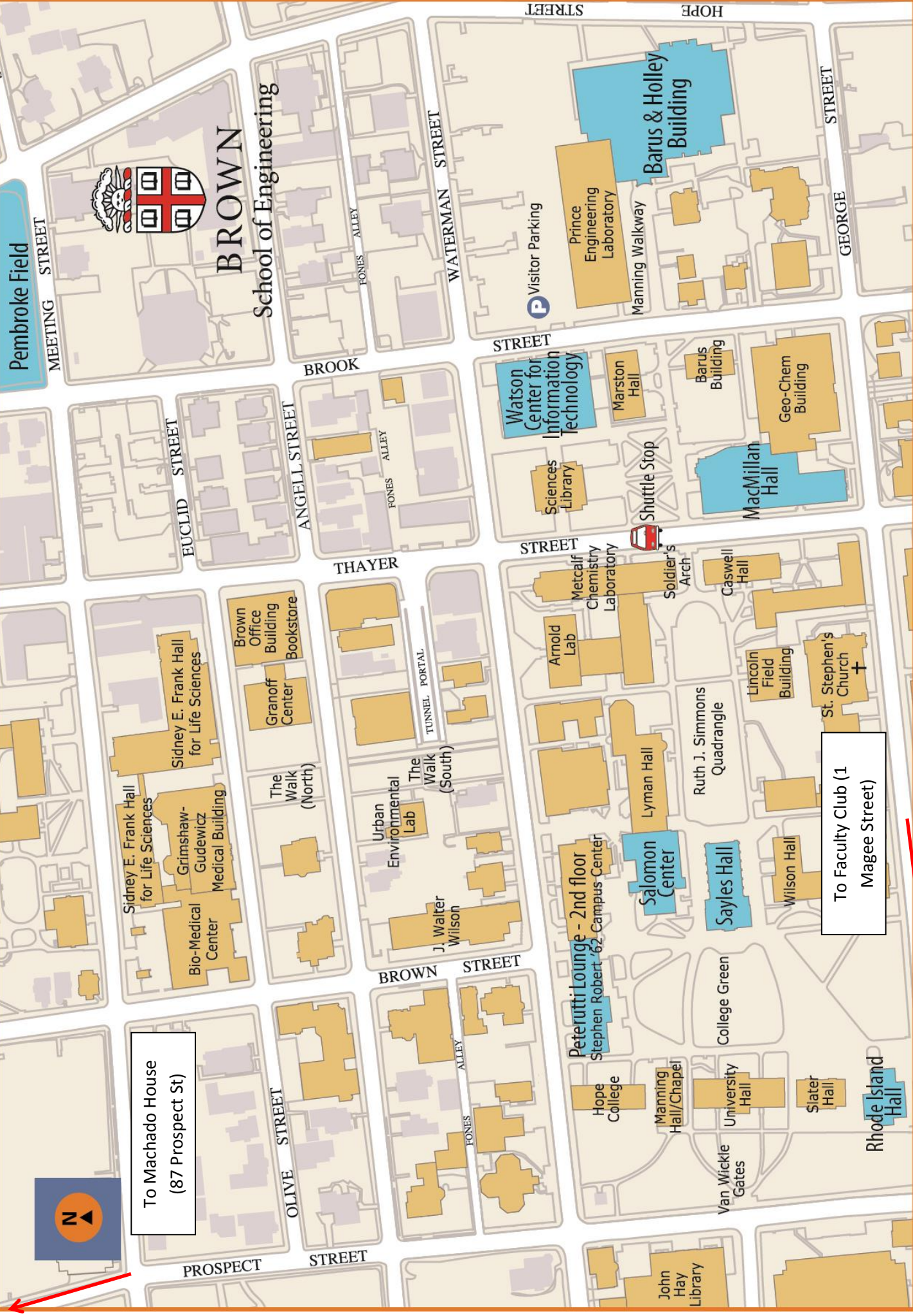
| Wednesday July 31 2013 | | | | | | | |
|---|--|--------------------|--------------------|------------------------|------------------|-----------------|---|
| | 8:00-8:50 | W1 9-10:30 | W2 10:45-12:15 | 12:15-1:30 | W3 1:30-2:50 | W4 3:10-4:20 | |
| AWARDS SYMPOSIA | | | | | | | |
| 1. SES Medal Symposium in honor of D.J. Steigmann | Salomon 101 Eringen Medal Lecture. G. Ravichandran Mechanics of Cell Matrix Interactions in 3D | McMillan 115 | McMillan 115 | Lunch (Pembroke Field) | | | Conference Survivors Lobster Boil (Sayles Hall) |
| 2. Prager Medal Symposium in honor of George Weng | | McMillan 117 | McMillan 117 | | McMillan 117 | McMillan 117 | |
| 3. Eringen Medal Symposium in honor of G. Ravichandran | | Salomon 001 | Salomon 001 | | | | |
| MECHANICS OF FLUIDS AND THERMAL SYSTEMS | | | | | | | |
| 4. Complex Fluids: Suspensions, Emulsions, and Gels | | Barus Holley 160 | Barus Holley 160 | | Barus Holley 160 | | |
| MECHANICS OF BIOLOGICAL AND SOFT MATERIALS | | | | | | | |
| 3. Mechanics and Physics of Biological Cells | | Barus & Holley 141 | Barus & Holley 141 | | | | |
| MECHANICS OF SOLIDS AND STRUCTURES | | | | | | | |
| 5. Mechanics and Dynamics of Periodic Structures | | Salomon 101 | Salomon 101 | | Salomon 101 | Salomon 101 | |
| 8. Mechanics of Thin Films and Multilayered Structures | | Salomon 203 | Salomon 203 | | | | |
| 9. Soft Materials and Structures | | Barus Holley 158 | Barus Holley 158 | | Barus Holley 158 | | |
| 14. Crack initiation and growth: methods, applications, and challenges. | | Barus-Holley 161 | Barus-Holley 161 | | Barus-Holley 161 | | |
| 11. Engineering Mechanics and Materials in the Oilfield | | CIT 227 | CIT 227 | | | | |
| 12. Computational Materials Design via Multi-scale Modeling | | Barus Holley 190 | Barus Holley 190 | | Barus Holley 190 | | |
| MECHANICS IN MATERIALS SCIENCE | | | | | | | |
| 1. Synthesis, Characterization, and Modeling of Low-Dimensional Nanomaterials | | Salomon 202 | Salomon 202 | | Salomon 202 | | |
| 2. Lithium ion batteries: When Chemistry meets Mechanics | | Salomon 003 | Salomon 003 | | | | |
| 3. Mechanics of Phase Transforming and Multifunctional Materials | | CIT 219 | CIT 219 | | | | |
| 4. From Atomistics to Reality: Spanning Scales in Simulations and Experiments A | | | | | CIT 227 | CIT 227 | |
| 4. From Atomistics to Reality: Spanning Scales in Simulations and Experiments B | | CIT 165 | CIT 165 | | CIT 165 | CIT 165 | |

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To Machado House
(87 Prospect St)

To Faculty Club (1
Magee Street)



Pembroke Field
MEETING STREET



BROWN
School of Engineering

BROOK

THAYER

BROWN STREET

PROSPECT STREET

OLIVE STREET

STREET

STREET

STREET

HOPE STREET

GEORGE STREET

Barus & Holley Building

Watson Center for Information Technology

Geo-Chem Building

MacMillan Hall

Sidney E. Frank Hall for Life Sciences

Sidney E. Frank Hall for Life Sciences

Grimshaw-Gudewicz Medical Building

Brown Office Building Bookstore

Granoff Center

The Walk (North)

The Walk (South)

Urban Environmental Lab

J. Walter Wilson

Arnold Lab

Metcalf Chemistry Laboratory

Soldier's Arch

Caswell Hall

Lyman Hall

Ruth J. Simmons Quadrangle

Lincoln Field Building

St. Stephen's Church

Peterutti Lounge - 2nd floor

Stephen Robert '62 Campus Center

Salomon Center

Sayles Hall

Wilson Hall

Hope College

Manning Hall/Chapel

University Hall

Slater Hall

Rhode Island Hall

John Hay Library

Van Winkle Gates

College Green

Rhode Island Hall

