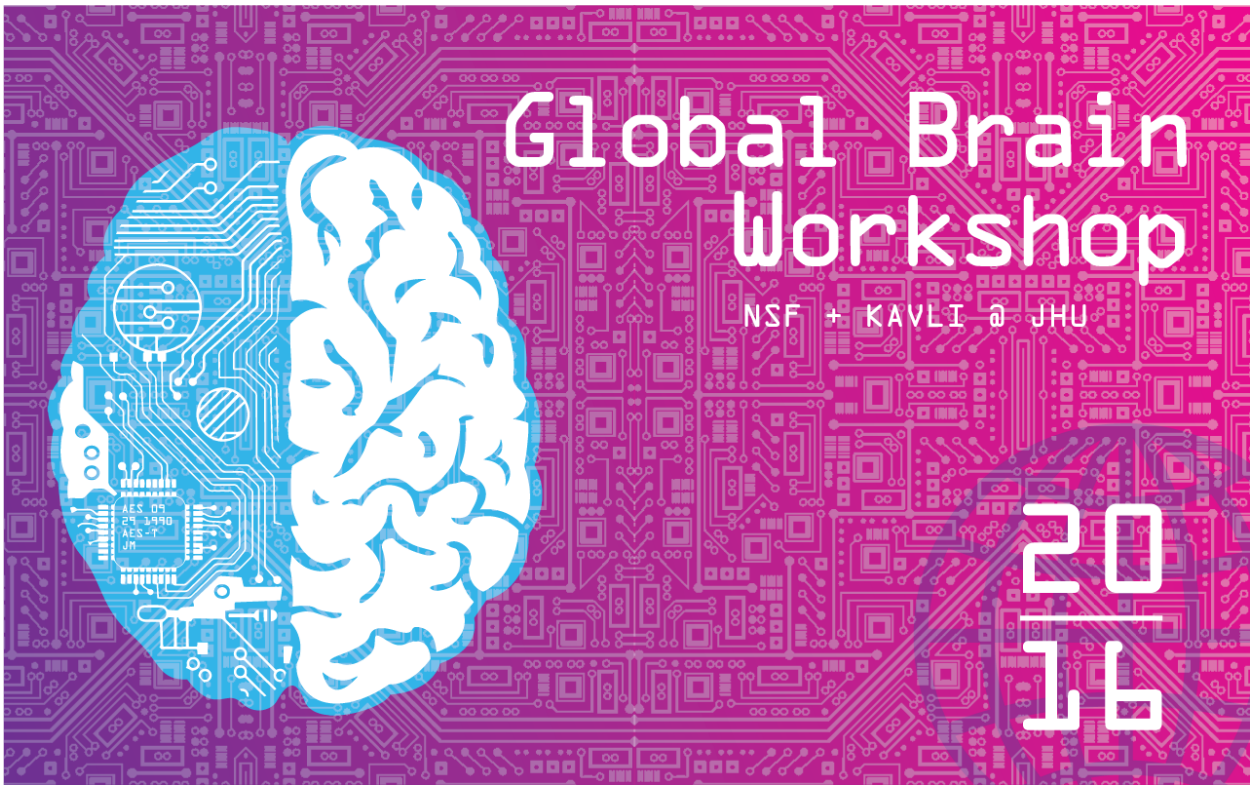


Thursday, April 7 and Friday April 8, 2016

Hodson Hall and Clark Hall

Johns Hopkins University

Contact: 410-516-3826 (business hours) or

brainx@cis.jhu.edu (after hours)

Outline

- Motivation for Workshop
- Goal of Workshop
- Topics
- Schedule
- Wireless Instructions
- Maps

Motivation

The international community has fortuitously adopted brain sciences as a key scientific topic for the coming decade. This has resulted in a number of national, transnational, and private commitments of literally billions of dollars (USD) over the next several years. To date, however, these brain projects have operated in relative isolation. An opportunity has arisen to unify portions of these efforts into an international one; we will be presenting our vision at the UN General Assembly in September. On April 7 & 8, the sixty-six of us begin to create that vision together. The timing is perfect as we prepare for changes in leadership across nations, as well as a new UN General Secretary being selected this year.

Goal

The goal is to generate a set of potential pan-national brain science projects that will inspire and benefit from international collaboration. ***Projects should be ambitious (worthy of a global decade-long effort!) yet feasible and publicly responsible, on par with the International Space Station and the Large Hadron Collider.*** The workshop will produce a white paper containing a set of 5-10 promising projects. For each project, we will answer these questions:

1. Problem Statement: what is the problem we are going to solve in the next 10 years?
2. Approach: how will we solve the problem, how is our approach different from the status quo?
3. Significance: what difference will it make, to which citizens of the world?
4. Feasibility: why will it work, why might it not?
5. Milestones & Deliverables: how and when will success be measured?

Topics

Upon registration, each of you suggested a project idea, which we have organized into 7 different topic areas, to be re-organized on site as appropriate:

1. Synapse-Resolution Neuroscience
2. Cellular Neuroanatomy, Neurogenetics, and Neurophysiology
3. Crossing the Spatiotemporal Scales
4. Learning & Development
5. Computational Tools
6. Theory & Modeling
7. Medicine/Disease

Schedule

THURSDAY

Time	Event	Location
8:00-9:00AM	*Registration and Breakfast*	Hodson 3rd Floor Lobby
9:00-9:30	Opening Remarks: Prof. Jim Olds (NSF) and JHU Organizers.	Hodson Board Room
9:30-10:30	Lightning Rounds: everyone present will have exactly 1 minute to express what they believe is the biggest challenge we can solve (including remote contributions).	Hodson Board Room
10:30-11:00	*Coffee, tea, snacks,* and free discussion	Hodson 3rd Floor Lobby
11:00-12:00	Lightning Rounds Continued.	Hodson Board Room
12:00-1:00	*Catered Lunch*	Hodson Lobby
1:00-1:30	National Brain Observatory (NBO): a 30 minute information session led by Jim Deshler (NSF) on the NBO.	Hodson Board Room
1:30-3:00	International Brain Programs: a series of short talks by leaders of various national, private, and international brain programs explaining each initiative's goals, duration, and funding commitment.	Hodson Board Room

3:00-3:30	Assemble into discussion groups: a 30 minute session to organize into break-out groups and potentially add/remove/modify topics,	Hodson 3rd Floor Lobby
3:30-4:45	Discussion Group Session 1: Solidify the Problem Statement and Approach of your group's topic. Groups: 1. Synapse-Resolution Neuroscience 2. Cellular Neuroanatomy, Neurogenetics, and Neurophysiology 3. Crossing the Spatiotemporal Scales 4. Learning & Development 5. Computational Tools 6. Theory & Modeling 7. Medicine/Disease	Hodson & Clark Halls Board Room Board Room Hodson 210 Hodson 305 Hodson 316 Clark 311 Clark 314
4:45-5:00	*Coffee, tea, snacks,* and free discussion	Hodson & Clark Halls
5:00-6:15	Discussion Group Session 2: Solidify the Significance and Feasibility for your group's topic.	Hodson & Clark Hall
6:15-7:00	*Wine & Cheese.*	Hodson 2nd Floor Patio
7:00-9:00	*Catered Dinner* & Group Presentations: First eat! Then, mediators and rapporteurs present the answers to the four questions for each group, so that the participants outside the group may ponder and provide useful feedback in the morning.	Hodson 3rd Floor Lobby

FRIDAY

Time	Event	Location
8:00-8:45AM	*Breakfast*	Hodson 3rd Floor Lobby
9:00-10:10	Round Robin Session 1: Everyone (other than discussion leaders) join a group different from the one you participated in on the previous day, to provide feedback for refining the answers to the four questions. Groups:	Hodson Hall Rooms
	1. Synapse-Resolution Neuroscience	Board Room
	2. Cellular Neuroanatomy, Neurogenetics, and Neurophysiology	Board Room
	3. Crossing the Spatiotemporal Scales	Hodson 210
	4. Learning & Development	Hodson 305
	5. Computational Tools	Hodson 316
	6. Theory & Modeling	Board Room
	7. Medicine/Disease	Hodson 210
10:15-10:45	JHU President Daniels Address & Thank you, followed by *coffee, tea, snacks*, and free discussion.	Hodson Board Room
10:45-12:00	Round Robin Session 2: same drill as above.	Hodson Rooms
12:00-1:00	*Catered Lunch*	Hodson 3rd Floor Lobby
1:00-2:30	Revised Group Presentations: Discussion leaders provide the community with the final answers to the questions after receiving feedback from the round robin sessions.	Hodson Board Room

2:30-4:00	Concluding Group Discussion: Final thoughts and discussions, including how to bridge across the questions to ultimately obtain a deeper understanding of, and ability to, act on our brains for social good.	Hodson Board Room
4:00-6:00	*Networking Social* for all participants and JHU Kavli members	Hodson 2nd Floor Patio
6:00-7:30	*Dinner* (rapporteurs only)	Gertrude's
7:30-10:00	Finalizing Reporting (rapporteurs only)	Clark Hall 314

JHGuestNet Wireless Access

BASIC EQUIPMENT NEEDED:

A laptop, tablet, or iPad for running Windows or Macintosh operating system with a wireless interface card is required to access JHGuestnet. Your computer should be running a commercial anti-virus product to assist with improving the protection of computers on the infrastructure.

SPECIAL NOTES:

1) JHGuestnet can be accessed in Hodson Hall and Clark Hall, and may be available on other parts of the JHU Homewood campus. It is not available in all Homewood locations.

2) Some web sites may be blocked. If you feel a site was blocked in error, please contact the Johns Hopkins Support Center at 410-955-HELP. However, access to corporate and personal e-mail should function normally.

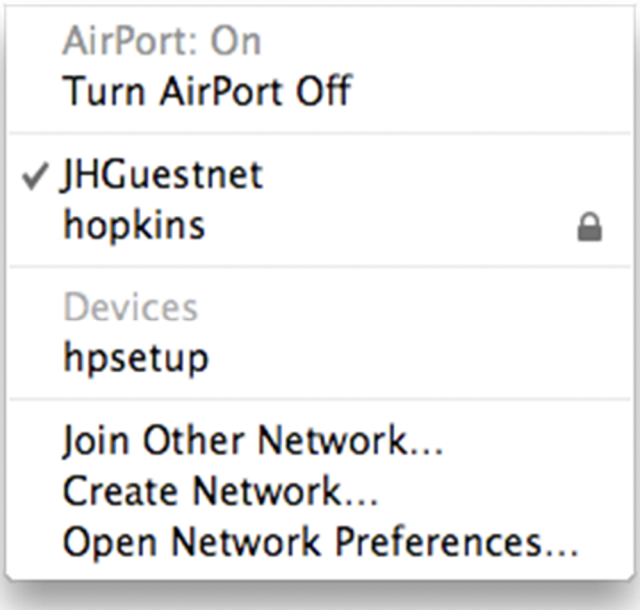
INSTRUCTIONS FOR CONNECTING TO JHGUESTNET (on next page):

CONNECTING:

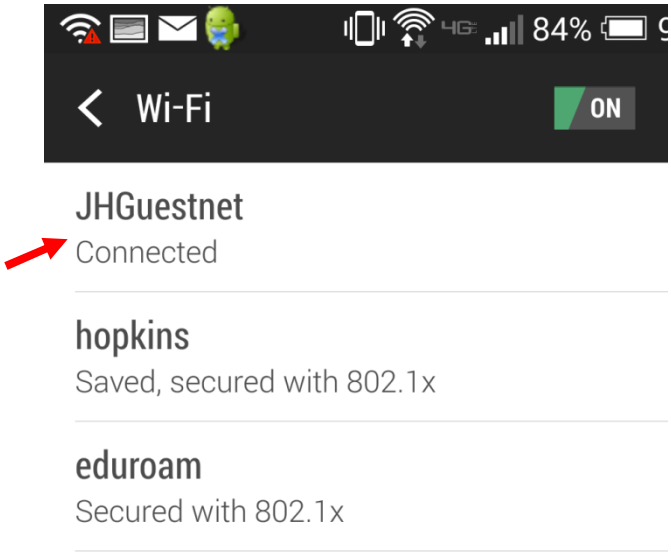
1. Click on **JHGuestnet,** based on your operating system platform. If prompted, click **Continue** to connect to an unsecure network.

iOS:

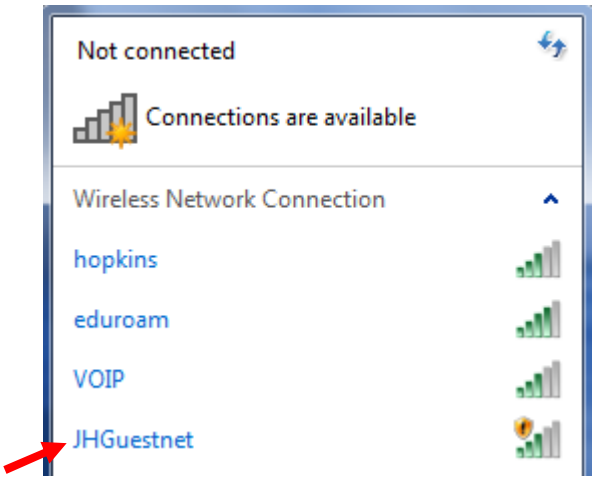
MAC OS X:



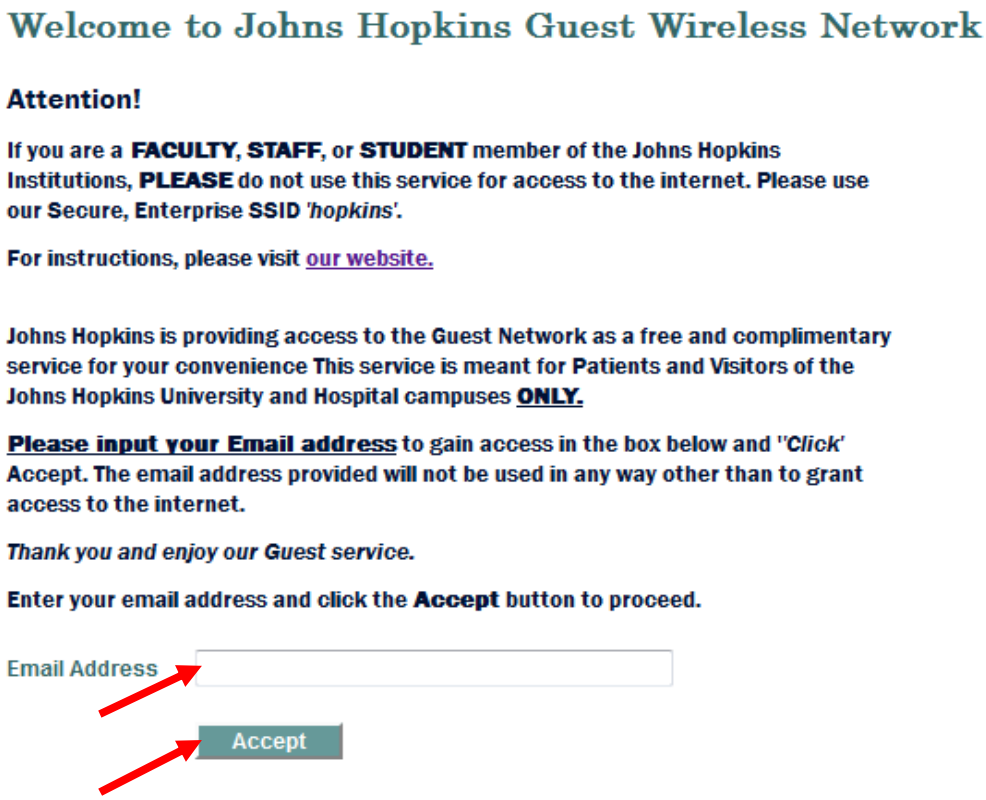
DROID:



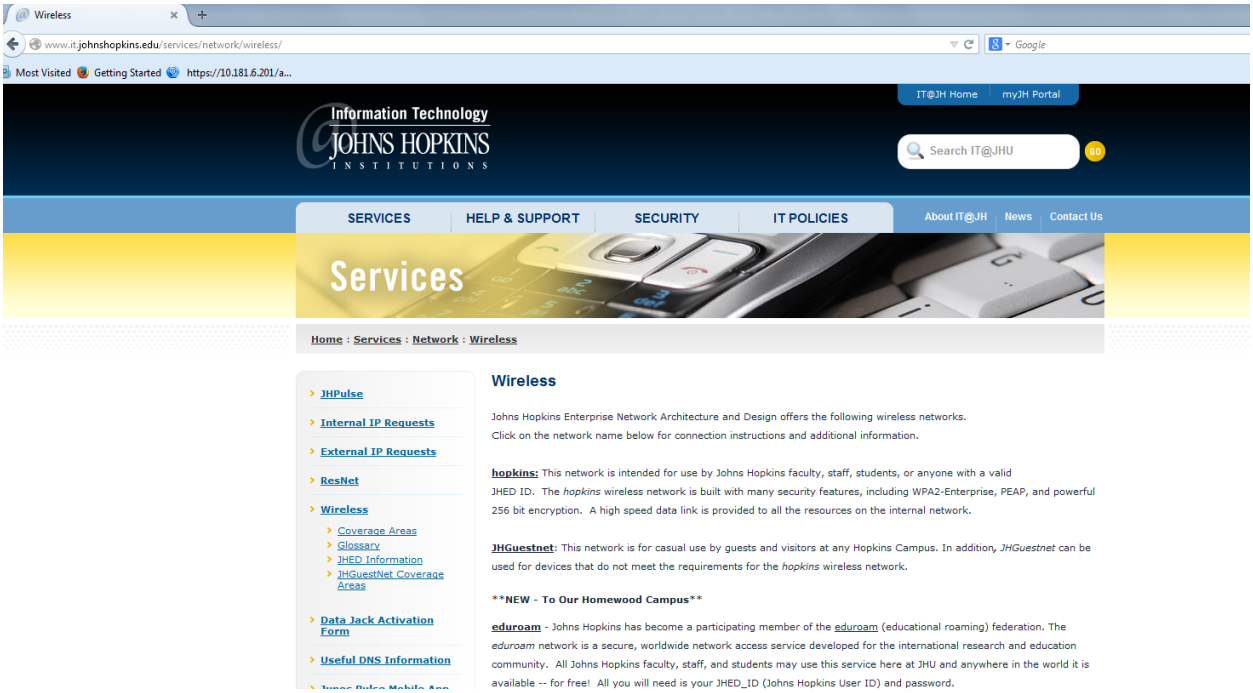
WINDOWS:



2. When complete, launch your web browser (if it does not pop up automatically) and enter your **email address**. Click **Accept**.



After accepting, the following page should display:



Maps

Housing/Residence Areas

1 Alumni Memorial Res. Hall 1
2 Alumni Memorial Res. Hall 2
3 Building A
4 Building B
5 The Blackstone Apts.
6 Bradford Apartments
7 The Charles Apts.
8 Charles Commons
9 Homewood Apts.
10 McCoy Hall
11 Rogers House
12 Wolman Hall

Academic Buildings

13 Ames Hall
14 Barton Hall
15 Biology East
16 Bloomberg Center for Physics & Astronomy
17 Chemistry Bldg.
18 Clark Hall/Biomedical Engineering Bldg.
19 Croft Hall
20 Dunning Hall
21 Gilman Hall
22 Greenhouse
23 Hackerman Hall
24 Hodson Hall
25 Jenkins Hall
26 Krieger Hall
27 Latrobe Hall
28 Levi Bldg.
29 Macaulay Hall
30 Malone Hall
31 Maryland Hall
32 Mergenthaler Hall
33 Merrick Barn
34 Milton S. Eisenhower Library
35 Mudd Hall
36 Olin Hall
37 Remsen Hall
38 Shaffer Hall
39 Steven Muller Building/STScI
40 Undergraduate Teaching Labs
41 Whitehead Hall
42 Public Health Studies Office

Student Services

43 Bunting Meyerhoff Interfaith and Community Service Center
44 Garland Hall
45 Student Health & Wellness Center
46 Mason Hall
47 San Martin Center
48 Smokler Center for Jewish Studies (Hillel)
49 Wyman Park Bldg.
50 Safety & Security
51 Center for Social Concern

Student Life/Student Activities

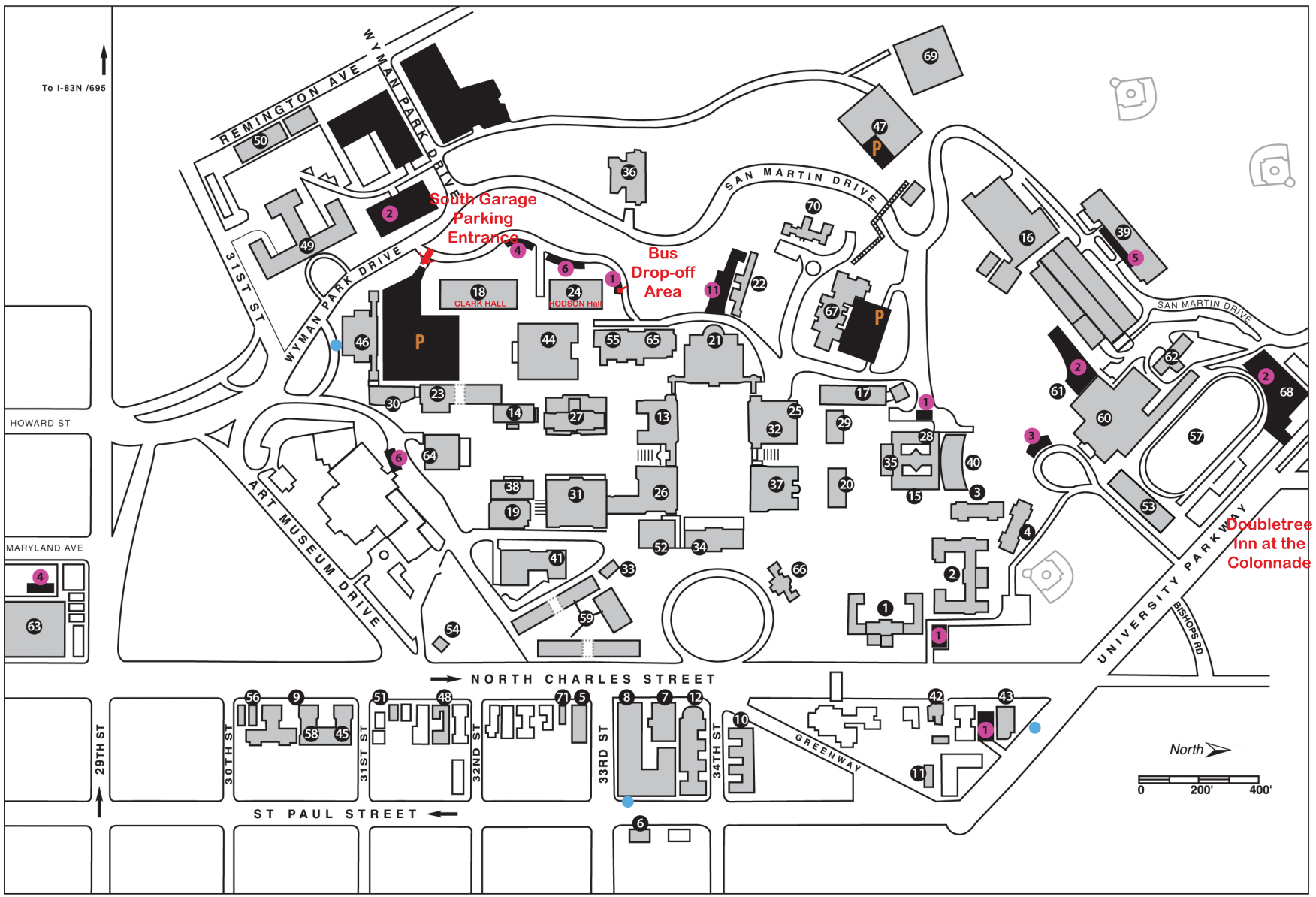
52 Brody Learning Commons
53 Cordish Lacrosse Center
54 Gatehouse (Newsletter Office)
55 Levering Hall
56 Office of Multicultural Affairs
57 Homewood Field
58 Hopkins Square
59 Mattin Center
60 Newton H. White Jr. Athletic Center
61 Ralph S. O'Connor Recreation Center
62 ROTC Bldg.
63 School of Education
64 Shriver Hall

Other Points of Interest

65 Glass Pavilion
66 Homewood Museum
67 Johns Hopkins Club
68 Lacrosse Hall of Fame
69 Maxine F. Singer Bldg./ Carnegie Institution of Washington
70 Nichols House
71 Steinwald House

Parking Areas with Handicap Spaces:

Clark/Hodson (10)
Hodson Trustees (2)
Greenhouse (11)
Mudd Hall (1)
Space Telescope (5)
Athletic/Muller (rear) (2)
Homewood Field (2)
Athletic Circle (3)
Homewood Museum (1)
Interfaith Center (1)
Education Lot (4)
Shriver Hall (6)
Wyman Reserved (2)



Homewood Campus Parking Map

- Campus buildings
- Surface parking areas
- Parking Garages
- Number of handicap spaces
- Shuttle stops

Security

Emergency: 410-516-7777
Information: 410-516-4600

JOHNS HOPKINS UNIVERSITY

4 W University Pkwy, Baltimore, MD 21218 to Hodson Hall, Baltimore, MD 21218

Walk 0.5 mile, 11 min

Walking Directions from Inn at the Colonnade to Hodson Hall at Johns Hopkins University

4 W University Pkwy

Baltimore, MD 21218

Use caution - may involve errors or sections not suited for walking

1. Head southeast on W University Pkwy toward N Gate

240 ft

2. Turn right onto N Gate

492 ft

3. Slight right toward Bowman Dr

135 ft

4. Slight right toward Bowman Dr

266 ft

5. Turn left toward Bowman Dr

59 ft

6. Turn right toward Bowman Dr

Take the stairs

0.1 mi

7. Slight left onto Bowman Dr

154 ft

8. Slight left

0.1 mi

9. Turn right

69 ft

10. Turn left

72 ft

11. Turn right

108 ft

12. Turn left

112 ft

Hodson Hall

Baltimore, MD 21218

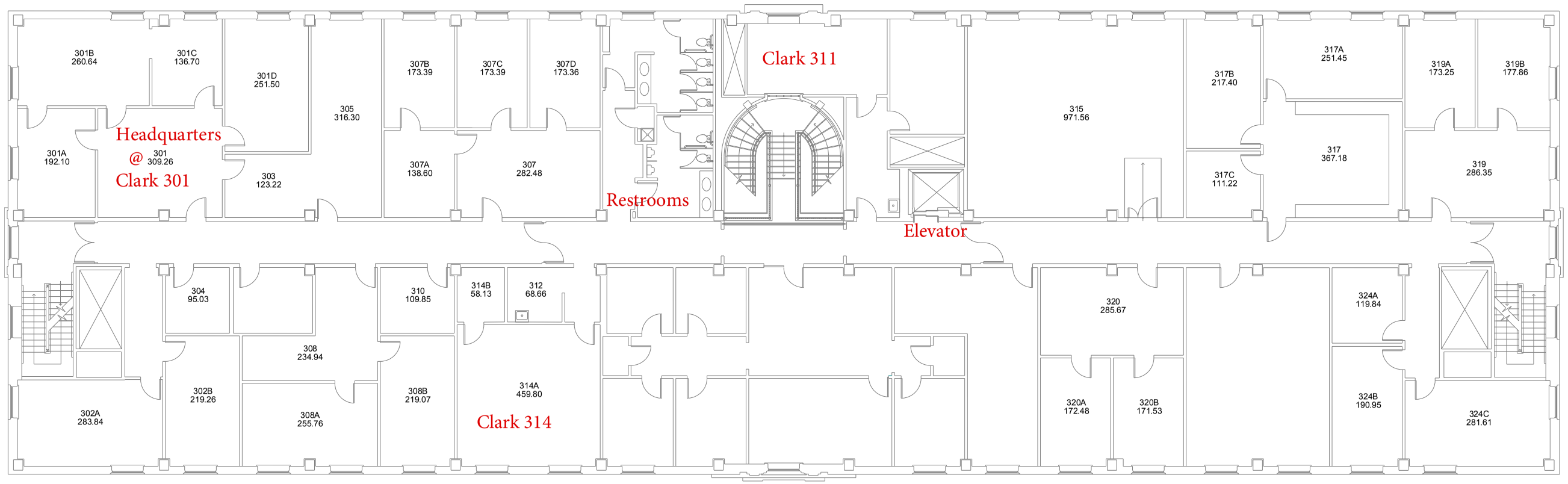
These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Google Maps

JOHNS HOPKINS
UNIVERSITY

Clark Hall

0076.03



Third Floor

Hodson Hall
2nd floor
07702

240
361.04

Stairs

216
745.88

214
374.33

210
2104.28

Hodson 210

Hodson 2nd Floor Patio

200A
57.64

Elevator

230
319.5

200B
114.39

Stairs

200
2636.91

216A
8.4

210B
7.97

210A
7.97

208
1174.8

212
65.35

Restrooms

211A
8.4

200C
105.69

209A
28.92

207A
32.24

207
208.28

209
218.99

201
132.65

203A
8.4

205
288.51

203
732.77

215A
56.15

217
547.63

215
291.02

215B
135.85

213
1407.08

211
739.44

217B
55.4

213A
45.55

217A
69.55

Hodson II

Hodson Hall
3rd floor
07703

Stairs

340
365.72

316
1035.42

Hodson 316

310
2245.19

Hodson Board Room

304
220.7

314
93.98

312
135.91

300
1389.38

302
39.48

300A
36.99

Elevator

330
318.56

Stairs

Hodson 3rd floor
Lobby

301
771.46

308
1280.99

Restrooms

315A
8.4

313A
8.4

311B
9.75

311A
8.4

308A
105.9

305A
8.4

301A
8.4

303A
8.4

317
377.6

315
752.21

313
742.41

311
1363.76

309A
30.5

307A
22.74

Hodson 305

305
744.35

303
790.91

309
220.17

307
209.94

317B
44.5

317A
77.07

Hodson III