

# 17<sup>th</sup> geni

Exploring Networks  
of the Future



## Engineering Conference

July 21-23, 2013



Hosted by

**WISCONSIN**  
UNIVERSITY OF WISCONSIN-MADISON



National Science Foundation  
WHERE DISCOVERIES BEGIN

# Concourse Map

1st Floor



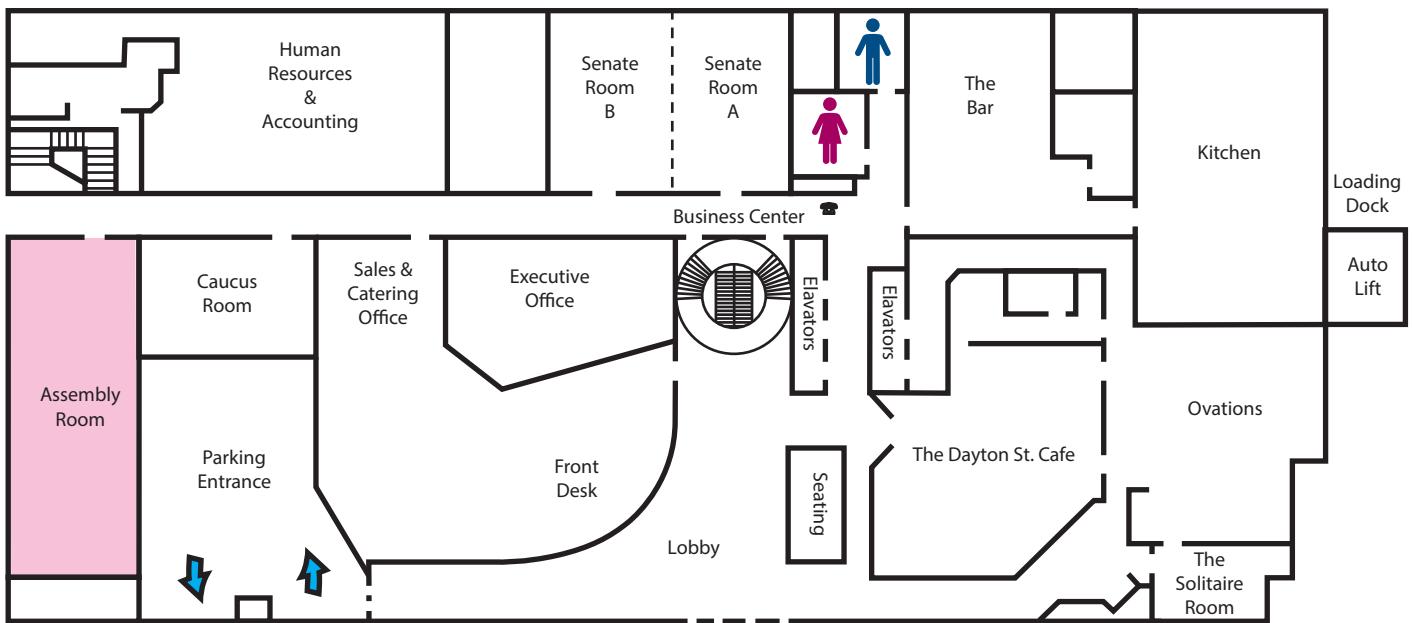
Grand  
Staircase



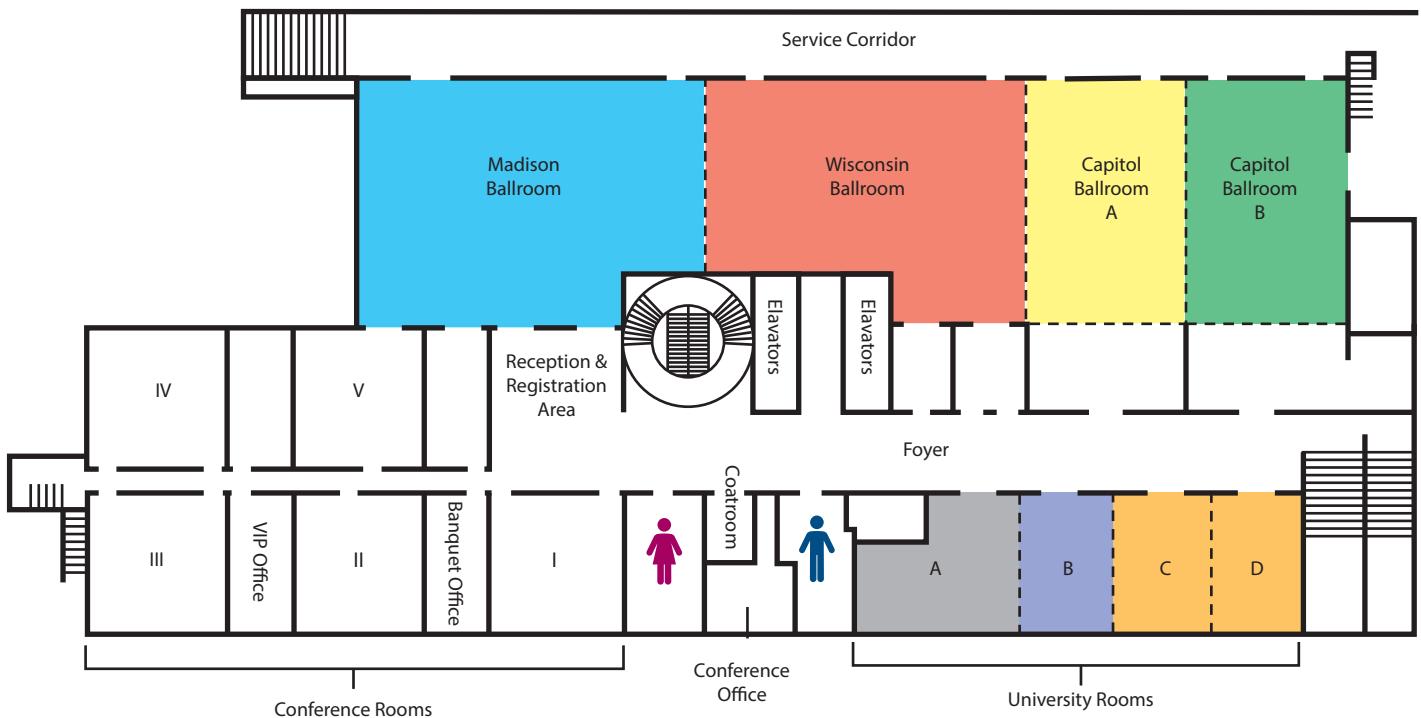
Women's  
Restroom



Men's  
Restroom



2nd Floor



THE  
MADISON  
CONCOURSE  
HOTEL  
and Governor's Club

# Agenda

## Day 1: July 21

Assembly Room	University A / B & University C / D	Capitol A	Capitol B
GPO Office Hours (by appointment)	Breakfast / Newcomers Breakfast* (7:30am - 8:30am) Madison/Wisconsin rooms		
	An Introduction to GENI and Experimentation using GENI	Uniform Experimenter Experience	
	Break (10:00am - 10:30am)		
	Tutorial: Getting Started with GENI - Part 1	I&M: Topics and Status	Tutorial: Realistic, Reproducible Experiments on GENI using Tmix
	Lunch (noon - 1:30pm) Madison/Wisconsin rooms		
	Tutorial: Getting Started with GENI - Part 2	Miscellaneous Developer Topics	Tutorial: Hands-on with Tmix
	Break (3:00pm - 3:30pm) in Madison/Wisconsin rooms		
	Tutorial: Getting Started with GENI - Part 3	Architects Meeting (by invitation) Conference II on 2nd floor	
	Head over to demo and networking event Bus runs every 15 - 20 minutes starting at 3:30pm		
Evening Demo Session & Networking Event (5:30pm - 7:30pm) University of Wisconsin - Madison, Dejope Hall, Mendota Room			

\* If this is your first GEC please join us at the newcomers table in the breakfast area.

 Hands-on tutorial. Bring a laptop if you'd like to try out the exercises

 Recommended for newcomers; no pre-requisites other than possibly some earlier tutorials at this GEC.

# Agenda

## Day 2: July 22

Capitol A	Capitol B	Madison	Wisconsin
Breakfast (7:30am - 8:30am) University Conference room			
Plenary Madison/Wisconsin rooms			
Break (10:00am - 10:30am)			
Dynamic Topology Configuration in GENI Madison/Wisconsin rooms			
Lunch (noon - 1:30pm) University Conference room			
Tutorial: An Introduction to OpenFlow and Controller-Writing in GENI 	Tutorial: Advanced OpenFlow and Controller-Writing Topics in GENI 	Campus Deployments and Research Collaboration	I&M: Looking Forward
Break (3:30pm - 4:00pm) in Madison/Wisconsin rooms			
Experimenter Drop-in 	Developer Working Session	GENI Rack Operations and Measurement	GEMINI & GIMI Demos 
BoF Dinners. You are invited to join one of the birds-of-a-feather dinners listed in the agenda below			

- \* If this is your first GEC please join us at the newcomers table in the breakfast area.
-  Hands-on tutorial. Bring a laptop if you'd like to try out the exercises
-  Recommended for newcomers; no pre-requisites other than possibly some earlier tutorials at this GEC.

# Agenda

## Day 3: July 23

University A	University B	Capitol B
Breakfast / Newcomers Breakfast* (7:30am - 8:30am) Madison/Wisconsin rooms		
 Tutorial: Experimentation and Instrumentation with WiMAX and GIMI	 Experimenter Roundtable	Developer Working Session
Break (10:30am - 11:30am) Madison/Wisconsin rooms		
Plenary (wrap-up) Madison/Wisconsin rooms		
Lunch (12:15pm - 1:30pm) Madison/Wisconsin rooms		
	NetGurus Meeting (by invitation)	 Coding Sprint, Experimenter and Operations Tutoring
Break (3:30pm - 4:00pm) in Madison/Wisconsin rooms		
	NetGurus Meeting (by invitation)	 Coding Sprint, Experimenter and Operations Tutoring

\*

If this is your first GEC please join us at the newcomers table in the breakfast area.



Hands-on tutorial. Bring a laptop if you'd like to try out the exercises



Recommended for newcomers; no pre-requisites other than possibly some earlier tutorials at this GEC.

# Demo Night

## Dejope Residence Hall

640 Elm Drive

Madison, WI 53706

Mentoda Room

5:30pm - 7:30pm



## Bus

Busses will be available for transportation between the Concourse Hotel and Dejope Hall.

The busses will be available beginning at 3:00pm for individuals that need to set up their demos.

Busses will circulate every 15-20 minutes.

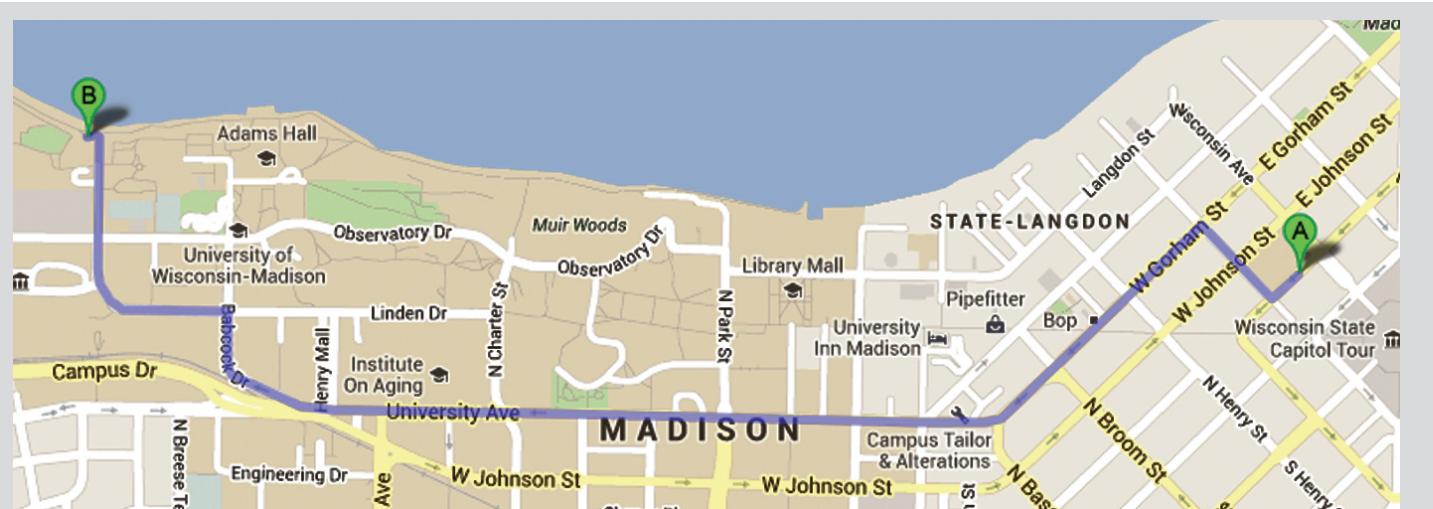
The final bus will pick up at Dejope hall at 7:30pm.



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# Directions to Dejope Residence Hall

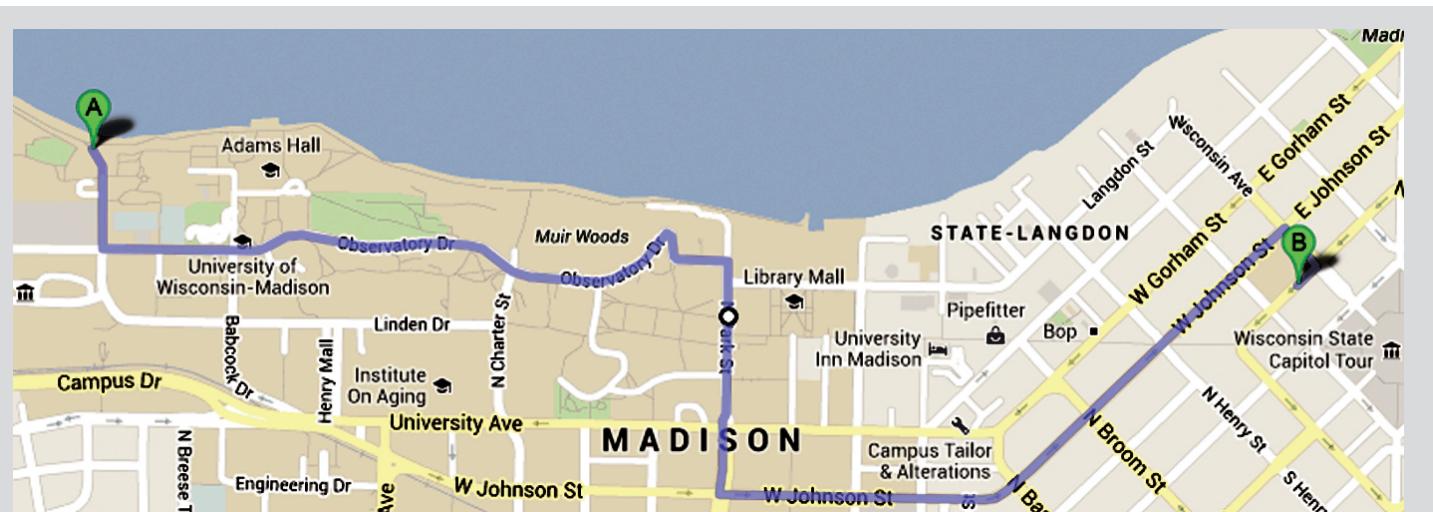


1. Head southwest on W Dayton St
2. Take the 1st right onto N Carroll St
3. Turn left at the 2nd cross street onto W Gorham St
4. Slight right onto University Ave
5. Continue straight onto Campus Dr
6. Slight right onto Babcock Dr
7. Turn left onto Linden Dr
8. Continue onto Elm Dr

\*Destination will be on the left\*

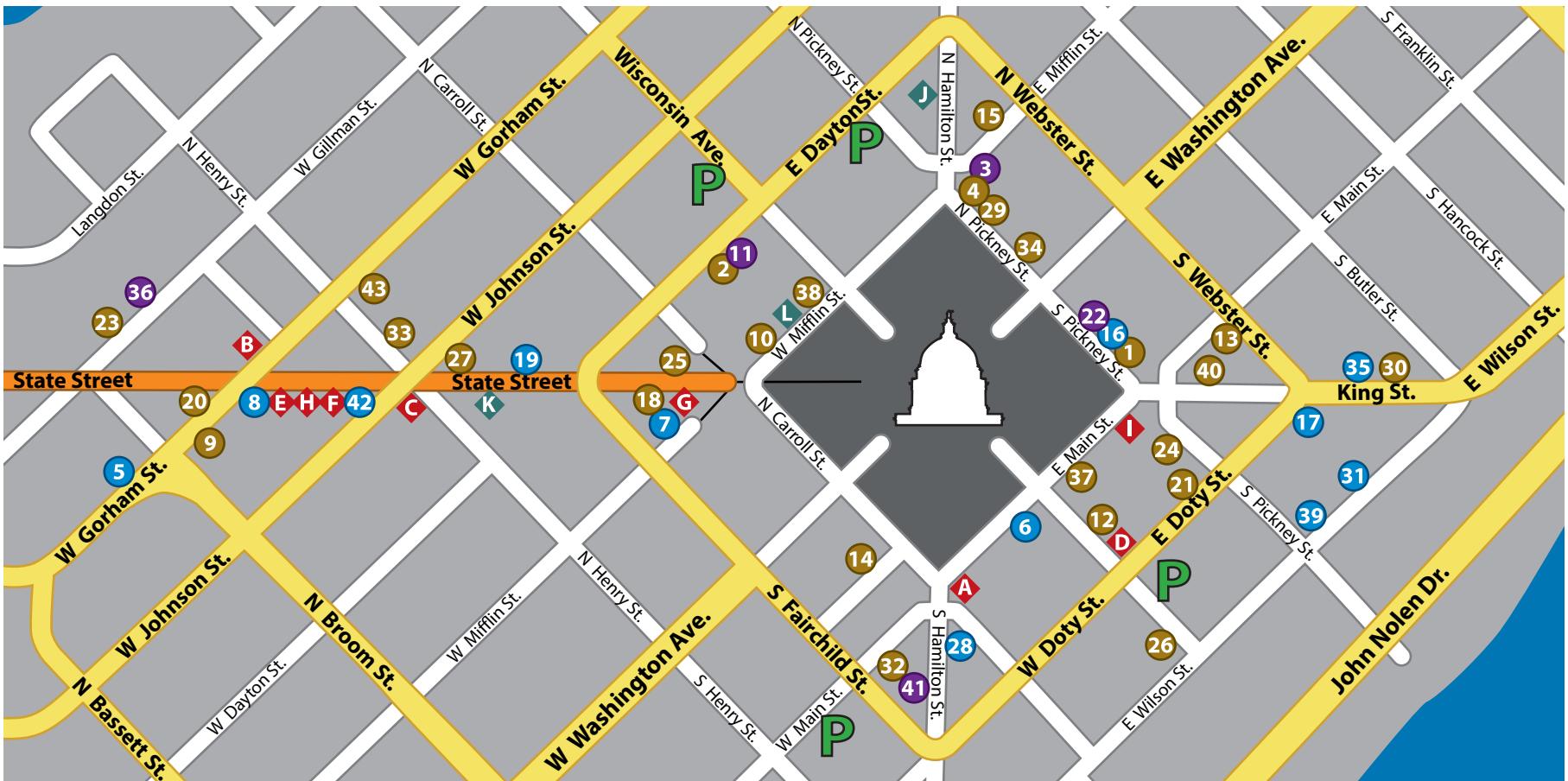
\*Destination will be on the left\*

# Directions Back to the Concourse



1. Head southeast on Elm Dr	5. Turn right onto Wisconsin Ave
2. Turn left onto Observatory Dr	6. Take the 1st right onto W Dayton St
3. Turn right onto N Park St	
4. Turn left onto W Johnson St	*Destination will be on the left*

# Downtown Area Map



## Shopping

<b>A</b> Anchor Bank <a href="http://anchorbank.com">anchorbank.com</a>	Bank (608) 252-8827
<b>B</b> Bop <a href="http://shopbop.com">shopbop.com</a>	Women's Clothing (608) 255-2570
<b>C</b> Fontana Sports Specialties <a href="http://fontanasports.com">fontanasports.com</a>	Sporting Goods (608) 257-5043
<b>D</b> Johnson Bank <a href="http://johnsonbank.com">johnsonbank.com</a>	Bank (608) 250-7200
<b>E</b> Ragstock <a href="http://ragstock.com">ragstock.com</a>	Recycled Clothing (608) 251-3419

## Museums

<b>F</b> Shakti Books and Gifts <a href="http://shaktimadison.com">shaktimadison.com</a>	Gift Store (608) 255-5007	<b>J</b> Madison Children's Museum <a href="http://madisonchildrensmuseum.org">madisonchildrensmuseum.org</a> (608) 256-6445
<b>G</b> Shoo Inc <a href="http://shoostore.com">shoostore.com</a>	Shoe Store (608) 467-6325	<b>K</b> Madison Museum of Contemporary Art <a href="http://mmoca.org">mmoca.org</a> (608) 257-0158
<b>H</b> Soap Opera <a href="http://thesoapopera.com">thesoapopera.com</a>	Bath/Body (608) 251-4051	<b>L</b> Wisconsin Veterans Museum <a href="http://wisvetsmuseum.com">wisvetsmuseum.com</a> (608) 267-1799
<b>I</b> Walgreens <a href="http://walgreens.com">walgreens.com</a>	Walgreens (608) 257-3814	

Go to [visitdowntownmadison.com](http://visitdowntownmadison.com) for an extensive list of businesses and areas of interest.

# Restaurants & Bars

**Color key** (based on the average cost of a meal)

 = Under \$10.00

 = \$10.00 - \$25.00

 = Over \$25.00

<b>1</b>	<b>Alterra Coffee</b> alterracoffee.com	Coffee House (608) 255-0474
<b>2</b>	<b>The Bar</b> concoursehotel.com	Hotel Bar (608) 294-3031
<b>3</b>	<b>Blue Marlin</b> thebluemarlin.net	Seafood (608) 255-2255
<b>4</b>	<b>Bradbury's Coffee</b> bradburyscoffee.com	Coffee House (608) 204-0474
<b>5</b>	<b>Brickhouse BBQ</b> thebrickhousebbq.com	Grill (608) 257-7675
<b>6</b>	<b>Brocach Irish Pub</b> brocach.com	Irish Pub (608) 255-2015
<b>7</b>	<b>Capital Tap Haus Tavern</b> capitaltaphaus.com	Restaurant/Bar (608) 310-1010
<b>8</b>	<b>Casa de Laura</b> casadelaura.net	Mexican (608) 251-7200
<b>9</b>	<b>Chasers Bar &amp; Grille</b> chasersbarandgrille.com	Grill (608) 251-3354
<b>10</b>	<b>The Coopers Tavern</b> thecooperstavern.com	Restaurant/Bar (608) 256-1600
<b>11</b>	<b>Dayton Street Grille</b> concoursehotel.com	Hotel Restaurant (608) 294-3031
<b>12</b>	<b>DLUX</b> dluxmadison.com	Burgers (608) 467-3130
<b>13</b>	<b>Francisco's Cantina</b> franciscoscantina.com	Mexican Grill (608) 255-4770
<b>14</b>	<b>Genna's Cocktail Lounge</b> gennaslounge.com	Cocktail Lounge (608) 467-7642

<b>15</b>	<b>Gotham Bagels</b> gothambagels.com	Breakfast/Lunch (608) 251-2700	<b>29</b>	<b>Old Fashioned</b> theoldfashioned.com	Restaurant/Bar (608) 441-6787
<b>16</b>	<b>Graze</b> grazemadison.com	Local Restaurant (608) 284-0000	<b>30</b>	<b>Opus Lounge</b> opuslounge.com	Cocktail Lounge (608) 255-8376
<b>17</b>	<b>Great Dane Pub &amp; Brewing Co</b> greatdanepub.com	Restaurant/Bar (608) 327-5206	<b>31</b>	<b>Osteria Papavero</b> osteriapapavero.com	Italian (608) 256-2263
<b>18</b>	<b>Ian's Pizza</b> ianspizza.com	Italian (608) 268-0126	<b>32</b>	<b>Paradise Lounge</b> thenewparadiselounge.com	Cocktail Lounge (608) 255-6592
<b>19</b>	<b>Icon</b> theiconmadison.com	Cocktail Lounge (608) 257-8325	<b>33</b>	<b>Plaza Tavern and Grill</b> theplazatavern.com	Restaurant/Bar (608) 663-9464
<b>20</b>	<b>Jamba Juice</b> jambajuice.com	Smoothies (608) 255-5904	<b>34</b>	<b>Quiznos</b> quiznos.com	Sandwiches (608) 255-1410
<b>21</b>	<b>Johnny Delmonico's</b> johnnydelmonicos.com	Steakhouse (608) 251-0500	<b>35</b>	<b>Red Sushi</b> redsushi.net	Restaurant (608) 257-1111
<b>22</b>	<b>L'Etoile</b> letoile-restaurant.com	Restaurant (608) 467-6999	<b>36</b>	<b>Samba Brazilian Grill</b> sambabraziliangrill.com	Brazilian Grill (608) 250-5020
<b>23</b>	<b>Los Gemelos</b> -No website-	Mexican (608) 661-5559	<b>37</b>	<b>Starbucks</b> starbucks.com	Coffee House (608) 268-0114
<b>24</b>	<b>Marigold Kitchen</b> marigoldkitchen.com	Breakfast/Lunch (608) 251-5299	<b>38</b>	<b>Sunprint Café</b> sunprint-cafe.com	Breakfast/Lunch (608) 204-9737
<b>25</b>	<b>Michelangelo's Coffee House</b> michelangeloscoffeehouse.com	Coffee House (608) 819-7827	<b>39</b>	<b>Tempest Oyster Bar</b> tempestoyster.com	Seafood (608) 287-1455
<b>26</b>	<b>Milio's Sandwiches</b> milio.com	Sandwiches (608) 257-6393	<b>40</b>	<b>Topsy Cow</b> -No Website-	Restaurant/Bar (608) 256-3570
<b>27</b>	<b>Noodles &amp; Company</b> noodles.com	Pasta (609) 395-3295	<b>41</b>	<b>Tornado Steakhouse</b> tornadosteakhouse.com	Steakhouse (608) 294-1000
<b>28</b>	<b>Nostrano</b> nostranomadison.com	Local Restaurant (608) 310-4545	<b>42</b>	<b>Tutto Pasta</b> -No website-	Italian (608) 255-2848
<b>43</b>	<b>Vientiane Palace</b> vientianepalacerestaurant.com		<b>43</b>	<b>Vientiane Palace</b> vientianepalacerestaurant.com	Lao/Thai

Looking for more dining and shopping options? Take a walk down State Street for more choices!

# Local Events



121 W Main St - (608) 819-8777 - madisonfrequency.com

July 20, 10:00 PM \$5.00, 18+	Earworms Presents: Not Half Bad with Not Half Bad, Sullen Riot, Dead Apples	Rock, Punk, Alternative, Metal
July 22, 8:30 PM \$5.00, 18+	Huntronik with Veal Chair, 2-Way Mirrors, Ryan Dillaha and the Miracle Men	Rock, Alternative, Electronica, Indie, Country
July 23 8:00 PM	Lost Years with Red Light Compliance, Watership Down, AYoH	Rock, Punk, Alternative, Metal, Indie



High Noon Saloon is a live music venue that features many different styles of music and hosts large national and international acts and lots of local music.

701A E Washington Ave - (608) 268-1121 - high-noon.com

July 20, 8:00 PM \$15.00, 21+	Caitlin Rose with The Handsome Family, Azita	Soft rock, Bluegrass, Easy listening
July 21, 5:00 PM FREE, 21+	Broom Street Session Patio Show	Live entertainment
July 21, 8:00 PM \$10.00, 21+	Daughn Gibson with Steve Gunn, Oedipus Tex	Country, Blues, Jazz
July 22, 7:00 PM \$10.00, 18+	American Battle Live	Various
July 23, 6:00 PM \$5.00, 21+	Butter Brick with Dos Chechos	Spanish rock
July 23, 9:00 PM \$5.00, 21+	Rockstar Gomeroke	Kareoke



Enjoy drinks and laughs at The Comedy Club! The Comedy Club hosts pro, semi-pro, and amateur stand-up comedians.

202 State St - (608) 256-0099 - madisoncomedy.com

July 20, 8:30 PM \$12.00, 18+	Mike E. Winfield with Saurin Choksi	Stand-up comedy
July 20, 10:30 PM \$10.00, 18+	Mike E. Winfield with Saurin Choksi	Stand-up comedy

# Places of Interest

## State Street

Looking for restaurants or shopping? Look no further! State Street hosts an extremely diverse variety of shops, bars, and restaurants. There is always something new to see on State Street!



## Capitol Building

The Wisconsin state capitol building is open to the public from 8:00am - 6:00pm on weekdays, and 8:00am - 4:00pm on weekends and holidays. Free 45 - 55 minute tours start at the information desk, and start during the following times:

Monday - Saturday

9:00am, 10:00am, 11:00am, 1:00pm, 2:00pm, 3:00pm

Sunday

1:00, 2:00, 3:00



## Visitors Center

### Union South

1308 W Dayton St

Madison, WI 53715

(608) 890-3000



The visitors center on the first floor of Union South can help you find more information about the UW campus. Additionally, Union South hosts a variety of activities and dining options.

Union South is open daily from 7:00am - 10:00pm

