



Global Flood Partnership 2017 Conference

Theme: From hazards to impacts

Day 1: 27 June 2017

Chair: Peter Salamon

8:15: Buses depart from hotels (Home2, Indigo, Embassy Suites)

Time	Topic	
08:30 - 09:00	Registration	
9:00 – 9:30	Welcome & Introduction Chairs GFP: Peter Salamon & Sagy Cohen	
9:30 – 10:20	Ignite Talks: Global Flood Partnership in Action	See the talks below (5min each)
10:20 – 11:00	Coffee break	
11:00 – 11:20	Presentation of the National Water Center	Ed Clark
11:20 – 12:30	GFP marketplace	See the program below

12:30– 14:00: Lunch break & Tour of the National Water Center

14:00– 15:00	Presentations – Session 1		Speaker
14:00 – 14:20	A global flood frequency map derived from >10 years of Synthetic Aperture Radar data: concept and first results		Patrick Matgen, LIST
14:20 – 14:40	Methodology for Estimating Floodwater Depths from Remote Sensing Flood Inundation Maps and Topography		Sagy Cohen, U. Alabama
14:40 – 15:00	Earth Observations from Global to Regional Scales for Disaster Risk Reduction and Response		David Green, NASA
15:00 – 15:30	Coffee break		
15:30 – 17:30	Workshop: Flash Floods - Actions and Forecasts Organizers: Andrew Kruczkiwicz (IRI/ RCRCC), Calum Baugh (ECMWF), JJ Gourley (NOAA/National Severe Storms Laboratory)	Workshop: Integration of Global Flood Information - satellite, models, gauges and more Organizers: Robert Adler (University of Maryland), Robert Blevins (Meteorological Connections, LLC)	

17:30: Buses depart to hotels (Home2, Indigo, Embassy Suites)

18:30: Buses depart from hotels (Home2, Indigo, Embassy Suites) to dinner

19:00 - 21:00 Conference Dinner at the Alabama Museum of Natural History

21:00: Buses depart to hotels (Home2, Indigo, Embassy Suites)

Day 2: 28 June 2017

Chair: Robert Brakenridge

8:30: Buses depart from hotels (Home2, Indigo, Embassy Suites)

Time	Topic	
9:00 – 10:00	Presentations – Session 2	Speaker
9:00 – 9:20	The NASA Global Flood Mapping System	Fritz Policelli, NASA
9:20 – 9:40	From flood forecast to flood impact maps	Jim Nelson, Brigham Young U.
9:40 – 10:00	Quantitative impact-based multi-model Early Warning System	Roberto Rudari, CIMA
10:00 - 10:20	Poster Ignite Session	
10:20 – 11:00	Poster Session (Coffee served)	
11:00 – 12:00	Presentations – Session 3	Speaker
11:00 – 11:20	Global projections of river flood risk in a warmer world	Lorenzo Alfieri, EC JRC
11:20 – 11:40	Avoidance of Flood Disasters and the Benefits of International Cooperation	Robert Brakenridge, DFO
11:40 - 12:00	Understanding the opportunities and challenges in the coastal cities in Akwa Ibom state, Nigeria in a changing climate	Okuku Ediang, Nigerian Met. Ag.

12:00 - Group photo

12:00 – 13:30: Lunch break & Posters & Tour of the National Water Center

13:30 – 15:30	<p>Workshop: Web platforms and open source tools for large scale forecasting and monitoring</p> <p>Organizers: Alan Snow (US Army Engineer R&D Center), Jim Nelson, Michael Souffront (Brigham Y. Uni.)</p>	<p>Workshop: Satellite Earth Observation-based flood mapping</p> <p>Organizers: (tbc) Patrick Matgen (Luxembourg Institute of Science and Technology), Albert Kettner (DFO)</p>
15:30 – 16:00	Coffee break	
16:00 – 17:30	Problem-solving session: What can the GFP do for you?	Andrew Kruczkiwicz

17:30: Buses depart to hotels (Home2, Indigo, Embassy Suites)

Day 3: 29 June 2017

Chair: Mark Trigg

8:30: Buses depart from hotels (Home2, Indigo, Embassy Suites)

Time	Topic	Speaker
9:00 –10:00	Presentations – Session 4	Speaker
9:00 - 9:20	Continental modeling at flash flood scale across the U.S.	JJ Gourley, NOAA
9:20 - 9:40	Global Flash Flood Forecasting from the ECMWF Ensemble	Calum Baugh, ECMWF
9:40 - 10:00	High-Resolution Flood Mapping at Regional to Continental Scales	Michael Follum, Coastal and Hydraulics Lab
10:00 - 10:30	National Water Center Summer Institute– program overview and interactions	Sagy Cohen, Jim Nelson, Sarah Praskievicz
10:30 – 11:00	Coffee break & Posters	
11:00 - 12:30	From hazard to impacts: discussion focused on the future of the GFP - Break up sessions	Roberto Rudari

12:30 – 14:00: Lunch break & Posters

14:00 – 14:30	Reporting of outcomes from workshops and problem solving session	Workshop leaders & Problem solving session leader
14:30 – 15:00	Summary, conclusions, way forward, AOB for the partnership	Peter Salamon & Robert Brakenridge
15:00	Closure of the meeting	

15:00: Buses depart to hotels (Home2, Indigo, Embassy Suites)

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Ignite Talks (27 June 2017 9:30 – 10:20)

Speakers program

#	Time	Title	Speaker
1	9:30 – 9:35	Impact based forecasting	Albrecht Weerts, Deltares
2	9:35 - 9:40	The need for regular monitoring and prediction of ephemeral water bodies in SERVIR regions	Eric Anderson, U. Alabama
3	9:40 - 9:45	Update/Global Flood Monitoring System	Robert Adler, U. Maryland
4	9:45 - 9:50	Evaluation of Probable Maximum Precipitation and Flood under Climate Change in the 21st Century	Shih-Chieh Kao, Oak Ridge Nat. Lab.
5	9:50 - 9:55	Flood mapping for index-based disaster risk transfer and insurance mechanisms	John Galantowicz, AER
6	9:55 - 10:00	GloFAS: a global flood awareness tool available to all	Christel Prudhomme, ECMWF
7	10:00 - 10:05	Experiments in the validation of global flood hazard models for two African countries	Mark Trigg, U. Leeds
8	10:05 - 10:10	A Global Database of Historic Flood Events	Colin Doyle, Cloud to Street
9	10:10 - 10:15	A new high-resolution flood modeling framework for the Mississippi Basin using SWAT and LISFLOOD	Adnan Rajib, US EPA
10	10:15 - 10:20	The NOAA Joint Polar Satellite System Flood Product	Bill Sjoberg, NOAA JPSS Program

GFP marketplace (27 June 2017 11:20 – 12:30)

Title	Moderators
GLOSSIS/GLOFFIS viewer	Albrecht Weerts, Shristi Vaidya, Deltares
Global Flood Monitoring System (GFMS)	Robert Adler, University of Maryland
Globally Aware, Locally Precise - U.S. Army Military Hydrology Team	Michael Follum, Mark Wahl, Coastal and Hydraulics Laboratory
The Global Flood Awareness System	Peter Salamon, JRC Christel Prudhomme, ECMWF
Flood mapping from Earth Observations	John Galantowicz, AER Colin Doyle, Cloud to Street Bill Sjoberg, NOAA JPSS Program
Open source applications for streamflow forecasting and flood warning	Alan Snow, US Army Engineer Research and Development Center Jim Nelson, Brigham Young University
Prototypes for Information and Decision Support Systems	Marian Muste, Iowa Flood Center

Poster program

Title	Presenter
A first-response streamflow forecasting tool to provide continental hydrologic awareness with local precision	Ahmad Tavakoly, Coastal and Hydraulics Laboratory
The value of a model for flood disaster assistance	Guy Schumann, Remote Sensing Solutions
NASA Disaster Response for Flood Events	John Murray, NASA
Flood Communication Innovations	James Halgren, RTI International
Providing timely hydrologic information in data sparse areas	Mark Wahl, U.S. Engineer Research and Development Center
Enabling early action by focusing on partnerships among Critical Infrastructure Networks	Shristi Vaidya, Deltares
Urban flood modelling and suggestions for flood resilience	Asheesh Sharma, CSIR-National Environmental Engineering Research Institute
The U.S. Flood Inundation Map Repository (USFIMR): Methodology and Future Development	Dinuke Munasinghe, University of Alabama
An Operational Global System for Forecasting Point-Rainfall and Flash Flood Risk	Fatima Pilloso, ECMWF
A High Resolution Analysis of Heavy Rain Events in Anchorage, AK	Emily Niebuhr, NOAA NWS
The effect of river bathymetry on riverine flood simulations	Mariam Khanam, University of Alabama
GloFAS as a flood alert system in Acre civil defense	Marcio Moraes, CEMADEN
Addressing the false dichotomy of the 100-year flood zone map with a gradient-based flood map using paleohydrologic principles.	Rachel Lombardi, University of Alabama
Linking severity thresholds predicted by GloFAS to flood stages at the local scale	Conrado Rudorff, CEMADEN
FloodList.com: A realtime database of global flood events from media reports	Calum Baugh, ECMWF
Towards impact-based flood forecasting and warning in Bangladesh: a case study at the local level in Sirajganj district	Albrecht Weerts, Deltares
Global to local hazard and impact forecasting	Albrecht Weerts, Deltares
Continental scale data assimilation of discharge and its effect on flow predictions	Albrecht Weerts, Deltares
The limits of Funes	Herman Dolder, Aquaveo LLC

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Integrated modeling for high resolution flood inundation mapping	Venkatesh Merwade, Purdue University
Spatio-temporal patterns of flooding in rivers of the Eastern United States over the last 10,000 yrs	Lisa Davis, University of Alabama
Tree-Ring Records of Lower Mississippi River flooding	Matthew Therrell, University of Alabama
Producing High-Resolution Flood Extent Maps from Civil Air Patrol Imagery after Hurricane Mathew 2016	Zhe Jiang, University of Alabama
Hydrological evaluation of multi-source Quantitative Precipitation Estimation (QPE) products and their impacts on physically based flood modeling	Huan Wu, Sun Yat-Sen University
Development and Applications of a New Global Scale River Slope Layer	Md Tazmul Islam, University of Alabama
A physically-based global flood zone map	Yasir Kaheil, FM Global
Benchmarking an operational procedure for rapid flood risk assessment in Europe	Peter Salamon, European Commission - JRC
Linking Flood Forecasting and Satellite Rapid Mapping	Peter Salamon, European Commission - JRC
A framework for global flood hazard mapping	Lorenzo Alfieri, European Commission - JRC
A Multi-Scale Ensemble-based Framework for Forecasting Compound Coastal-Riverine Flooding	Firas Saleh, Stevens Institute of Technology
High-Resolution Maps for Index-Based Flood Insurance: the ARC River Flood Model (AFM-R)	Elke Verbeeten, African Risk Capacity

Logistics

Venue

The meeting venue is the North Lawn Hall (NLH) on the University of Alabama campus:
221 Hackberry Ln, Tuscaloosa, AL 35401

<https://goo.gl/maps/mceJVMDRe422>

See building floor plan below

Wi-Fi

Network: UA-WPA2

Account: as-guest

Password: xacus0t1

Parking

Parking permits behind NLH are available upon request from Sagy Cohen -
sagy.cohen@ua.edu. See map below.

University Visitor Parking is available at the Campus Drive Parking Deck (\$5 per day; 5 min walk from NLH: <https://goo.gl/maps/kbJBy8g2DGk>
<http://bamaparking.ua.edu/visitor-information/>

Emergency:

- Call 911 from any phone
- University of Alabama Police Department: (205) 348-5454
- Tornado warning - evacuate to nearest storm shelter (rooms 1010 in North Lawn Hall)

Transportation:

- Transportation to the meeting venue
 - A free shuttle service will be provided from our partner hotels (Home2, Indigo, Embassy Suites) to the conference venue in the mornings and back at the end of each day.
 - Taxi services (Tel: (205)-210-8616) and Uber (download app) are available for off-schedule travel.
 - In case you have booked your stay in one of these three hotels without using the GFP promotional code (i.e., through the link on the GFP website) and would like to use the free shuttle bus to the conference venue please indicate that in the online confirmation form.

- If you have not yet booked your accommodation or booked at a different hotel you can still enjoy the GFP group rate at Hotel Indigo (see conference website). Also if a large group of participants are staying at a different hotel we may be able to arrange a shuttle stop at that location so please also let us know (using the online confirmation form) if you plan to stay elsewhere.

- Tuscaloosa from/to the Birmingham Airport (suggested services):
 - Scuttle Shuttle: (\$45 one-way) (205) 471-7433, <https://www.scuttleshuttle.com> (recommended means of transport)
 - Uber (\$85-\$100)
 - Crown Limo and Sedan Services: (205) 758-3875 (advance reservation required)
 - Ambassador Limo Service: (205) 556-5466 (advance reservation required)
 - Prestige Limo Service: (205) 333-9879 (advance reservation required)
 - Car Rentals at Birmingham Airport: <http://www.flybirmingham.com/flying-in/ground-transportation/rental-cars/>
 - Taxi Service from Birmingham Airport to Tuscaloosa:
 - Birmingham Door to Door: (205) 591-5550
 - Executive Shuttle Network: (205) 702-4566
 - Ambassador Limo Service: (205) 556-5466

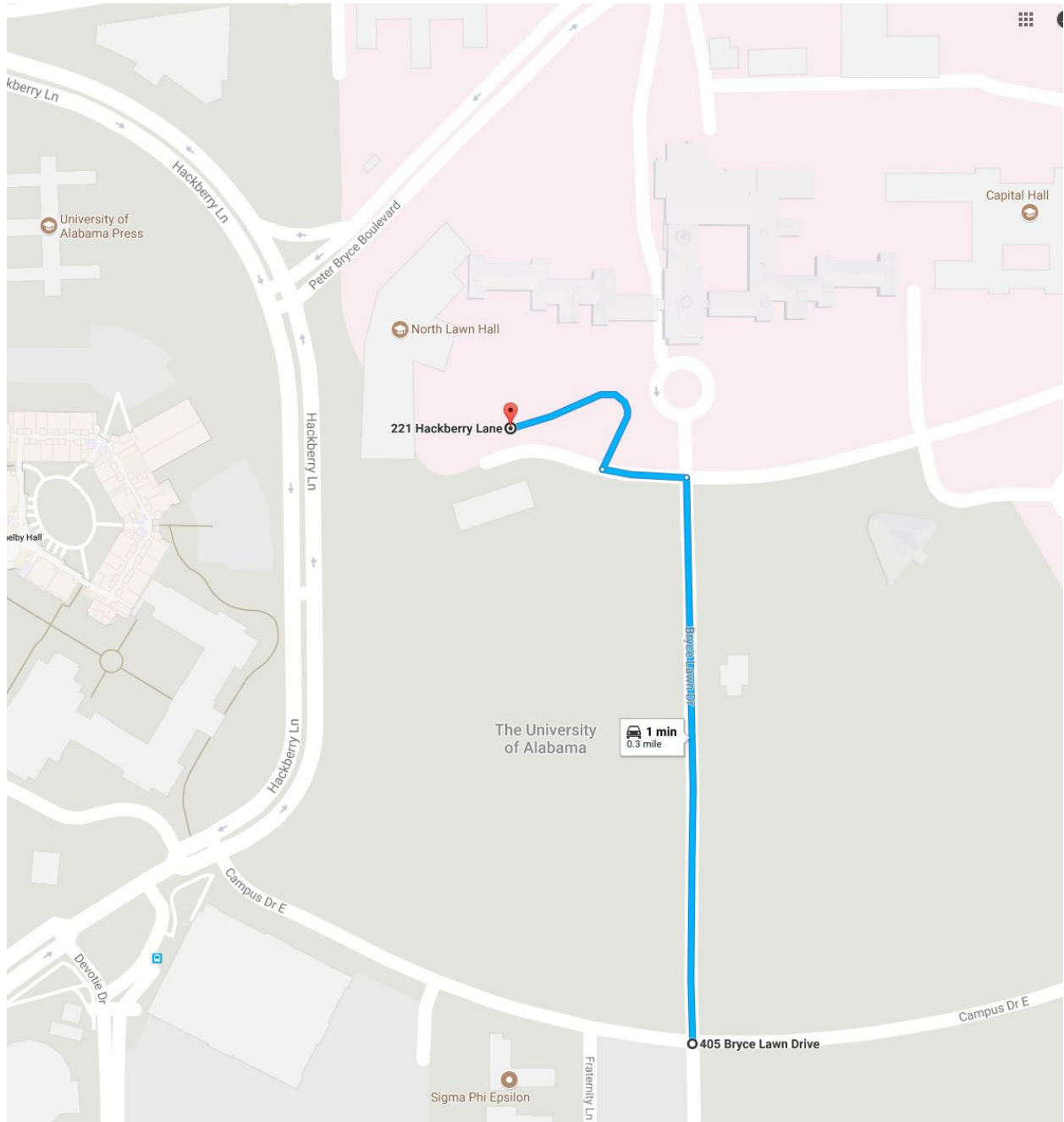
Please check the conference webpage

<http://gfp.jrc.ec.europa.eu/Conferences/2017-GFP-Conference> for more logistic information on accommodation and transports to and from the nearby airports.

North Lawn Hall

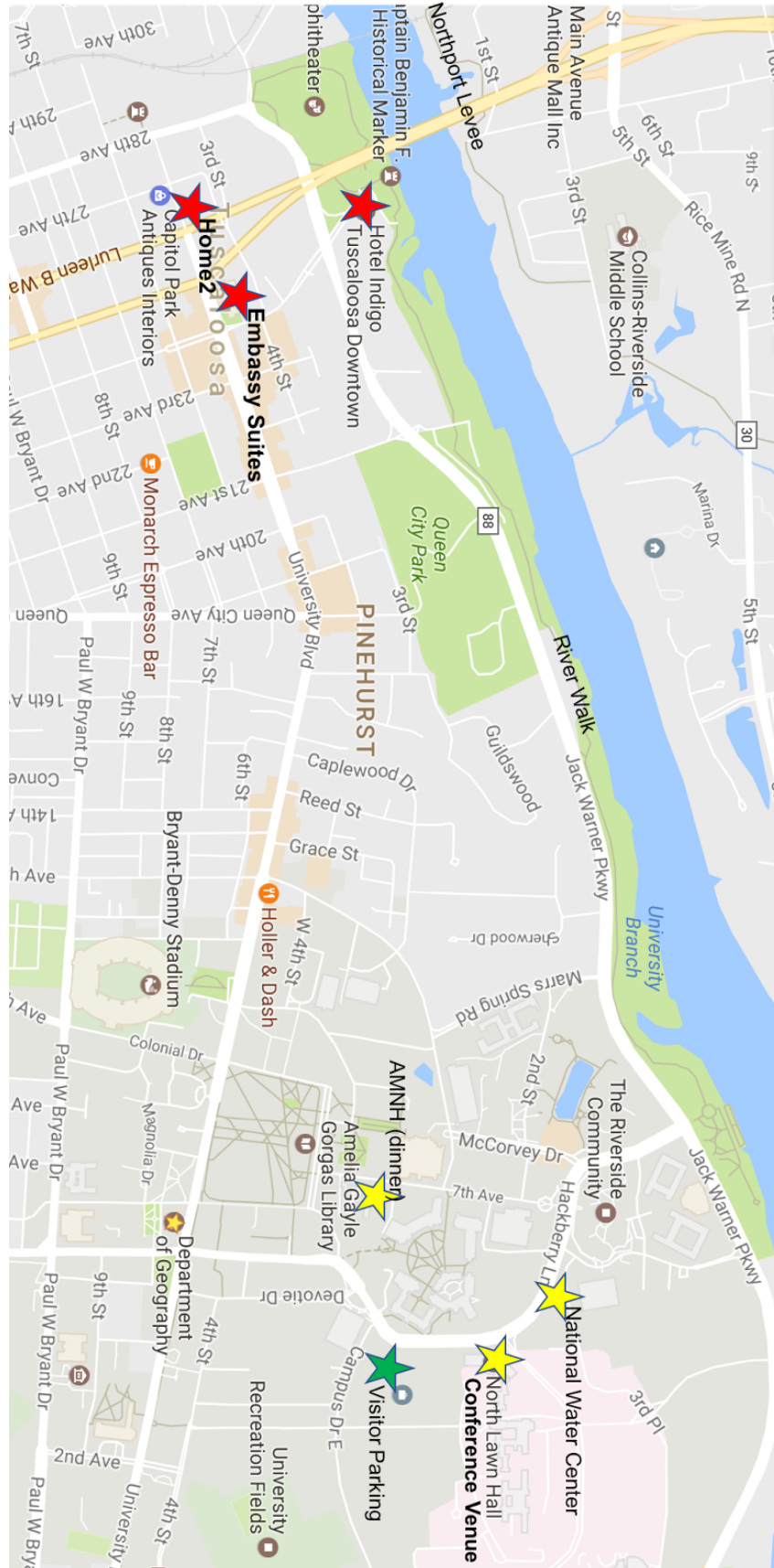
- Main conference room: 2008
- Breakout rooms: 2007 & 2009
- **Storm shelter:** 1010 & 1011
- Collaboration rooms (4-seat meeting rooms with whiteboard and monitor): 1009 & 1016 (may need to ask organizers to unlock)





Access to the parking lot behind North Lawn Hall

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Hosted by: NOAA Office of Water Prediction in collaboration with UCAR/COMET and the University of Alabama

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