MFPS – LICS – CSF

Joint Conferences

Tulane University

New Orleans, LA

June 23 – 29, 2013

Contents

Welcome!

Welcome to the MFPS – LICS – CSF Conferences! Tulane is delighted to host the conferences and to welcome you to campus and to New Orleans. We hope you all have a very enjoyable and stimulating visit to the university and the *Crescent City*. Below is some basic information about the meeting venues, the hotel, transportation, and social events, as well as two mainstays of New Orleans – food and music –and pointers to some local attractions.

The Venues and Transportation The meetings will take place on the campus of Tulane University, which is located in the uptown area of New Orleans. A campus map is included later in this pamphlet. All technical sessions will take place at Tulane.

The conference hotel is the Astor Crowne Plaza Hotel, at the corner of Canal and Bourbon Sts., in the downtown area of the city. The hotel is approximately 5 miles from the campus. There are several options to travel between the two, but we recommend that participants utilize the shuttle buses whenever possible:

- Shuttle buses will bring participants to the campus each day of the meetings, as well as on Saturday, June 29 for the final day of workshops. The shuttle buses will also bring participants back to the hotel at the end of each day's meetings.

  Shuttle buses also will bring the MFPS participants who are attending the MFPS Conference Dinner on Monday evening to the restaurant. For those who are attending but who wish to travel to the hotel, the restaurant is Superior Seafood, at the corner of Napoleon and St. Charles Aves, in the uptown area.

  For detailed times that the buses run, see the Shuttle Bus information below.

- The St. Charles Streetcar that runs along St. Charles Avenue between Canal St. and the uptown destinations is currently under repair. The streetcar runs between Canal St. and Lee Circle, and from there city buses take passengers along the St. Charles route. The trip takes approximately 30 – 40 minutes each way, and you have to have correct change to pay for the ride. You can purchase a multi day pass at the hotel, if you're planning to use the streetcar regularly.

- You can also take a taxi from the hotel to the campus. The ride should take 20 minutes, and the cost should be about $10. Sharing a cab is a good option if you miss the shuttle bus.

- We advise *against* walking from the hotel to the campus or back. The weather is very hot and humid, and New Orleans is not a city where it is safe to wander unaccompanied.

- To emphasize the last point, we recommend that participants enjoy the French Quarter that's adjacent to the hotel, as well as other areas of the city, but that you do so in groups. Please be especially cautious visiting cemeteries, and also be careful at night. Traveling in groups is imperative.

Shuttle Buses

We have arranged for Tulane Shuttle buses to bring participants from the conference hotel to the campus and to take them back at the end of each day's session. The buses will be available outside the Astor Hotel in the mornings, with drop-off on Freret St. at McAlister Place (see campus map). Return trips will depart from the drop-off at McAlister Place and Freret St. Below is the schedule for the buses:

	Sunday	Monday	Tuesday	Wednesday
Morning Buses from Astor Hotel	7:15 am 7:30 am	7:15 am 7:30 am	7:30 am, 8:00 am, and 8:30 am	7:30 am, 8:00 am, and 8:30 am
Afternoon / Evening Buses from Tulane	7:45 pm	6:15 pm (to Astor Hotel) 6:30 pm (to MFPS Dinner) 9:45 pm (MFPS Dinner to Astor)	7:30 pm, 8:00 pm and 8:20 pm	5:45 pm 7:30pm and 7:45 pm

	Thursday	Friday	Saturday
Morning Buses from Astor Hotel	7:30 am, 8:00 am, and 8:30 am	7:30 am 8:00 am	7:30 am 8:00 am
Afternoon / Evening Buses from Tulane	5:15 pm, 5:45 pm and 6:00 pm	6:15 pm and 6:30 pm	5:45 pm 7:15 pm

Figure 1: Shuttle Bus Schedule

Registration Registration for the meeting will be open each morning from 8am until after the morning break in the program. The registration table will be located outside the 1834 Club, on the second floor of the Lavin Bernick Center, Building 29 on the campus map.

Continental Breakfast Continental breakfast will be available each morning in the 1834 Club, on the second floor of the Lavin Bernick Center, Building 29 on the campus map. It will be available from 8:00am until the start of talks each day. The buses will bring participants to campus in time for them to stop by for the continental breakfast before the meetings begin.

Lunch The food court on the first floor of the LBC is open during the meetings, and you can find the "typical selection" of fast food there – one notable exception is *Byblos*, which offers reasonable middle eastern fare.

There are several restaurants located along Maple St., which is a 15 – 20 minute walk from campus. You'll find a map and yelp* listing of a number of restaurants along Maple St. at the end of this pamphlet – look at the campus map to orient yourself.

Internet Access Tulane has a WiFi network across campus that is available in all buildings. Users with `eduroam` accounts should be able to log on to the system using teh `eduroam` network. We also have set up guest access for all participants. Use the following userid and password:

userid: `csguest2013`
password: `m@thPie1`

Use these credentials to log onto the `tulaneguest` network.

Conference Proceedings

MFPS Proceedings: The preliminary MFPS proceedings are available online at `http://www.entcs.org/mislove/mfpsproc.pdf` The final proceedings will be published online in ENTCS.

LICS Proceedings: The LICS Conference Proceedings are being distributed on usb drives to LICS participants at the meeting.

CSF 2013 Proceedings: The CSF proceedings are available online at `http://csf2013.seas.harvard.edu/proceedings` The userid is `csf2013` and the password is `Foundational!`.

Social Events

On Sunday evening there will be a Wine and Cheese reception for the MFPS participants. This will be in the 1834 Room of the LBC immediately following the Memorial Session for John Reynolds. There will be buses to take participants back to the hotel after the reception.

The MFPS Conference Dinner will take place on Monday evening. There will be buses to take participants to the restaurant for the dinner. It begins at 7pm with a cash bar, followed by dinner at 7:30pm. There will be a shuttle bus back to the Astor Hotel following the dinner.

At the end of the Tuesday's sessions we will have a reception for all MFPS–LICS–CSF participants. This will take place in the Qatar Room, which is also on the second floor of the LBC.

The LICS Business Meeting will take place on Wednesday afternoon in the Rathskeller, which is in the basement of the LBC.

The LICS–CSF Conference Dinner will take place in the Astor Hotel on the second floor. There will be a cash bar at 7pm, followed by a buffet dinner at 7:30pm.

Local Attractions

Food New Orleans is world famous for its cuisine and the many restaurants that populate the city. Several of the best restaurants in the city are located in the French Quarter, which is adjacent to the hotel, as well as in the CBD (Central Business District) which is across Canal St. from the hotel. We have included some tourist information in your packet that describes many of the these restaurants. You can also find ratings of the restaurants online on yelp* and on the local site http://www.nomenu.com – the latter contains reviews by Tom Fitzmorris, a local restaurant critic who is widely followed in the city. Here are some recommendations that we can make:

- *GW Fins* is located on Bienville St. near the hotel. Many residents regard it as having the best seafood in the city – the cuisine is not the typical Creole or Cajun fare, but instead the restaurant specializes in very fresh seafood prepared very well.
- Right behind the hotel on Iberville St. is the *Acme Oyster House*, a New Orleans landmark. Not only can you find fresh oysters on the half shell, Acme also carries many of the traditional dishes that make New Orleans famous. The restaurant is very informal.
- Poboy sandwiches are a New Orleans specialty. They consist of fried shrimp or oysters (or both!) on french bread, but you also can order roast beef, or several other fillings. If the waitress asks if you want your poboy "dressed", she's asking if you want lettuce, tomato mayo and catsup on it. One of the best places to find poboys is *Masperos*, on the corner of Chartres and Iberville Sts., near the hotel.
- Another exceptional place for roast beef poboys is *Mothers*, which is located on the corner of Magazine St. and Pydras Ave., a short walk from the hotel. *Mothers* also has an exceptional breakfast menu.
- *Nola* is one of Emeril's restaurants that's located in the Quarter, on the corner of Chartres and St. Louis St. It's a few blocks from the hotel. Emeril Legasse was chef at *Commanders Palace*, one of the grand dames of New Orleans restaurants, before striking out on his own. He also owns *Emeril's* in the CBD, and *Delmonico's*, which is located on St. Charles Ave.

- *Commanders Palace* is located in the Garden District, which is between downtown and the uptown area. It's a more formal setting, and reservations are required.
- *Commanders* is but one of several restaurants run by the Brennan family. Another is affiliated with the hotel – the food here is quite good (and we'll be sampling it for the LICS–CSF conference dinner). The original family restaurant is *Brennan's*, located in the 400-block of Royal St., near the hotel. While the atmosphere is not as formal as in the past, the dishes are some of the ones New Orleans is famous for, and again, reservations are recommended.
- Also close by is *Palace Cafe*, on Canal Street as you walk toward the river. It is another Brennan family restaurant; it features a number dishes made famous at *Commanders*.
- *Galatoire's* is an old-line New Orleans restaurant specializing in all the traditional dishes, It's located in the second block of Bourbon St., on the left as you walk away from Canal St. They don't take reservations, so you just go and stand in line until they let you in. Check about the dress code here.
- Paul Prudhomme's *K-Paul's* restaurant on Chartres St. made blackened redfish a national sensation. It specialize in this dish and several other Cajun specialties.
- Susan Spicer's *Bayona* offers more modern fare in a very good restaurant on Dauphine St. – reservations recommended.

We'll stop here – there are many more restaurants, and the vast majority of them are really good. In fact, there are more restaurants open now in New Orleans than there were before Katrina! You can make reservations for most of them online using *OpenTable* or directly on the restaurant's web site.

Music New Orleans is renowned as the birthplace of jazz, and that genre, as well as many others, are part of a vibrant music scene in the city. The French Quarter has a number of notable spots – *Preservation Hall*, next to *Pat O'Brien's* is notable for classic New Orleans Jazz. At the back of the Quarter is *Snug Harbor* where several locals often play. Ellis Marsailis, the father of the Marsalis clan, holds forth here, usually on Friday evenings. Finally, uptown there is *Tipitina's*, at the corner of Napoleon and Tchoupitoulis, another mainstay of the New Orleans music scene. The last two have web sites that include a list of who's playing and at what time. If you like jazz, check out the local station, WWOZ, which streams music online, and which gives a complete rundown of who's playing where "at the top of every odd hour."

Other things to do In addition to music and food, New Orleans offers a number of local attractions of considerable interest. The French Quarter, which is where the city was first founded, has a large number of historically significant buildings, many of which offer tours. The Ursuline Convent on Chartres St. is the oldest building in the Mississippi Valley – adjacent to it is a truly exceptional church that's also worth a visit. The Pontalba and the Presbytyre, on either side of the St. Louis Cathedral on Jackson Square, each house interesting exhibits – of recent interest is an exhibit of bottles representing the lives lost in Katrina. At the foot of Canal St. (at the river) is the Audubon Aquarium of the Americas, a world class aquarium. The Customs House, at the corner of Canal and Decatur, houses the Insectarium.

The New Orleans Museum of Art houses a wide collection representing a variety of eras. It includes some impressionist pieces, notably by Edgar Degas, who lived in New Orleans for a time. The museum is located in City Park, and it can be reached by taking the Canal St. streetcar (the red ones – they're air conditioned!). The line terminates by the park, where it's a short walk to the museum. The museum also houses an outdoor sculpture garden with several interesting works.

Also for those interested in art, the Newcomb Art Department, which gave birth to Newcomb Pottery is in the same building as the Freeman Auditorium where many of the conference sessions will take place. One gallery is located in the breezeway adjacent to the auditorium, and another next to the Stone Auditorium displays the work of current students.

Last, further afield, you can take a swamp tour to learn about the wildlife in the swamps. The Honey Island Swamp Tour in Slidell is overseen by a wildlife biologist – they will arrange to pick you up and bring you back to the hotel.

Conference Information

The MFPS, LICS and CSF meetings are co-locating for the first time. Here is detailed information about the organization of each of these events.

MFPS XXIX

As with all MFPS conferences, the Twenty-Ninth Conference on the Mathematical Foundations of Programming Semantics (MFPS XXIX) is devoted to those areas of mathematics, logic, and computer science that are related to models of computation, in general, and to the semantics of programming languages, in particular. The series has particularly stressed providing a forum where researchers in mathematics and computer science can meet and exchange ideas about problems of common interest. As the series also strives to maintain breadth in its scope, the conference strongly encourages participation by researchers in neighboring areas.

Topics include, but are not limited to, the following: biocomputation; concurrent qualitative and quantitative distributed systems; process calculi; probabilistic systems; constructive mathematics; domain theory and categorical models; formal languages; formal methods; game semantics; lambda calculus; programming-language theory; quantum computation; topological models; logic; type systems; type theory. We also welcome contributions that address applications of semantics to novel areas such as complex systems, markets, networks, and security, for example.

Program Committee The MFPS XXIX Program Committee is composed of the following members: Andrej Bauer, University of Ljubljana, Nick Bezhanishvili, Utrecht University, Lars Birkedal, Aarhus University, Marcello Bonsangue, Leiden University, Stephen Brookes, Carnegie Mellon University, Venanzio Capretta, University of Nottingham, Luca Cardelli, Microsoft Research, Volker Diekert, University Stuttgart, Dan Ghica, University of Birmingham, Jane Hillston, University of Edinburgh, Radha Jagadeesan, DePaul University, Patricia Johann, University of Strathclyde, Achim Jung, University of Birmingham, Dexter Kozen, Cornell University (Chair), Daniel Leivant, Indiana University, Bloomington, Catherine Meadows, Naval Research Laboratory, Paul-André Melliès, CNRS Université Paris Diderot, Michael Mislove, Tulane University, Carroll Morgan, University of New South Wales, Paulo Oliva, Queen Mary University of London, Luke Ong, Oxford University, Joel Ouaknine, Oxford University, Prakash Panangaden, McGill University, Andrea Schalk, University of Manchester, Phil Scott, University of Ottawa, Ana Sokolova, University of Salzburg, James Worrell, Oxford University.

Proceedings There will be a MFPS XXIX preliminary proceedings is available online at the `http://www.entcs.org/mislove/mfpsproc.pdf` – the final proceedings will be published in ENTCS after the meeting.

Organizing Committee The Organizing Committee for MFPS includes Andrej Bauer (Slovenia), Stephen Brookes (CMU), Achim Jung (Birmingham), Catherine Meadows (NRL), Michael Mislove (Tulane), Joel Ouaknine (Oxford) and Prakash Panangaden (McGill).

LICS

LICS is an annual international forum on topics that lie at the intersection of computer science and mathematical logic.

The Program Committee The LICS Program Chair is Orna Kupferman, Hebrew University. The other members of the LICS PC are: Parosh A. Abdulla, Uppsala University, Amal Ahmed, Northeastern University, Sergei Artemov, City University of New York, Andrei Bulatov, Simon Fraser University, Yijia Chen, Shanghai Jiao Tong University, Vŕonique Cortier, CNRS, Loria, Mariangiola Dezani-Ciancaglini, Univ. di Torino, Thomas Ehrhard, CNRS, Universit Paris Diderot, Javier Esparza, Technische Universitt München, Kousha Etessami, University of Edinburgh, Maribel Fernandez, King's College London, Santiago Figueira, University of Buenos Aires, Simon Gay, University of Glasgow, Martin Grohe, Humboldt-Universität zu Berlin, Martin Hofmann, LMU Munich, Petr Jancar, Technical University Ostrava, Barbara Jobstmann, CNRS, Verimag, Jasper DA, Patricia Johann, University of Strathclyde, Bakhadyr Khoussainov, University of Auckland, Antonina Kolokolova, University of Newfoundland, Victor Marek, University of Kentucky, Angelo Morzenti, Politecnico di Milano, Lawrence Moss, Indiana University, Madhavan Mukund, Chennai Math. Institute, Anca Muscholl, Universit Bordeaux, Mogens Nielsen, Aarhus University, Catuscia Palamidessi, INRIA, École Polytechnique, Luc Segoufin, INRIA, ENS Cachan, Natarajan Shankar, SRI International, Alexandra Silva, Radboud University Nijmegen, Balder ten Cate, UC Santa Cruz, Kazushige Terui, Kyoto University, Ron van der Meyden, Univ. of New South Wales, Jeannette M. Wing, Microsoft, Nobuko Yoshida, Imperial College London.

Workshops Chair The LICS Workshop Chair is Patricia Bouyer-Decitre, CNRS, ENS Cachan

Publicity Chair The LICS Publicity Chair is Andrzej Murawski, Univ. of Warwick

General Chair The LICS General Chair is Luke Ong, University of Oxford

Organizing Committee The LICS Organizing Committee is composed of: Martn Abadi, Luca Aceto, Rajeev Alur, Franz Baader, Paul Beame, Patricia Bouyer-Decitre, Adriana Compagnoni, Anuj Dawar, Nachum Dershowitz, Martn Escard, Maribel Fernández, Martin Grohe, Orna Grumberg, Jean-Pierre Jouannaud, Phokion Kolaitis, Orna Kupferman, Benoit Larose, Vlatko Lipovac, Michael Mislove, Georg Moser, Andrzej Murawski, Luke Ong (chair), Andre Scedrov, Philip Scott, David Shmoys, Matt Valeriote

Advisory Board THe LICS Advisory Board is composed of Martn Abadi, Samson Abramsky, Rajeev Alur, Bob Constable, Thierry Coquand, Thomas Henzinger, Phokion Kolaitis, Dexter Kozen, Dale Miller, John Mitchell, Prakash Panangaden, Andrew Pitts, Gordon Plotkin, Moshe Vardi, Glynn Winskel

CSF

The Computer Security Foundations Symposium (CSF) is an annual conference for researchers in computer security, to examine current theories of security, the formal models that provide a context for those theories, and techniques for verifying security. It was created in 1988 as a workshop of the IEEE Computer Society's Technical Committee on Security and Privacy, in response to a 1986 essay by Don Good entitled "he Foundations of Computer SecurityWe Need Some. The meeting became a symposium in 2007, along with a policy for open, increased attendance. Over the past two decades, many seminal papers and techniques have been presented first at CSF.

The program includes papers and panels. Topics of interest include access control, information flow, covert channels, cryptographic protocols, database security, language-based security, authorization and trust, verification techniques, integrity and availability models, and broad discussions concerning the role of formal methods in computer security and the nature of foundational research in this area. See the Call for Papers and Panels for more information.

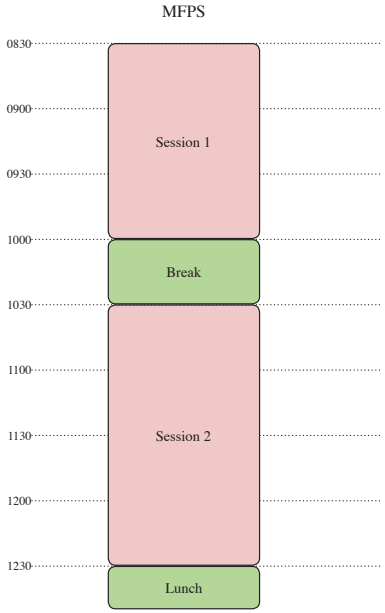
Program Chairs and Program Committee The CSF 2013 Program Chairs are Véronique Cortier, LORIA, CNRS, France and Anupam Datta, Carnegie Mellon University, USA. The Program Committee consists of Gilles Barthe, IMDEA Software Institute, Spain, David Basin, ETH Zurich, Switzerland, Giampaolo Bella, University of Catania, Italy, James Cheney, University of Edinburgh, UK, Stephanie Delaune, CNRS, France, Riccardo Focardi, Ca'Foscari University of Venice, Italy, Joshua Guttman, Worcester Polytechnic Institute, USA, Limin Jia, Carnegie Mellon University, USA, Ralf Küsters, University of Trier, Germany, Boris Köpf, IMDEA Software Institute, Spain, Matteo Maffei, Saarland University, Germany, Catuscia Palamidessi, INRIA Saclay, France, Rafael Pass, Cornell University, USA, Frank Pfenning, Carnegie Mellon University, USA. Peter Ryan, University of Luxembourg, Luxembourg, Andre Scedrov, University of Pennsylvania, USA, Graham Steel, INRIA, France.

Organizing Committee The CSF 2013 Organizing Committee consists of
General chair: Stephen Chong, Harvard University, USA
Publications chair: Deepak Garg, Max Planck Institute for Software Systems, Germany
Publicity chair: Matteo Maffei, Saarland University, Germany

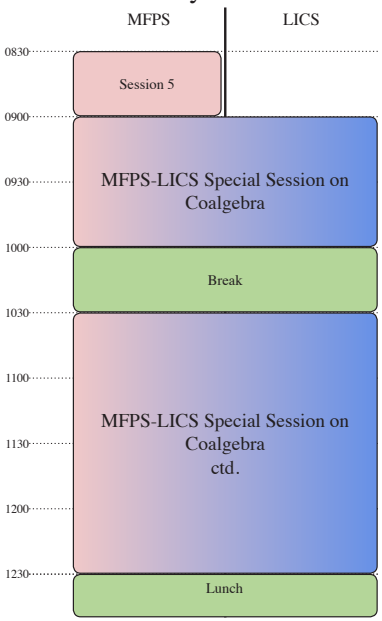
Local Arrangements

The Local Arrangements for MFPS, LICS and CSF have been overseen by Michael Mislove, Tulane University. Special thanks are due to the staff of the Mathematics Department – Geralyn Caradona, Pam Philastre and Cammy Watts – all of whom worked very hard to prepare for the meetings.

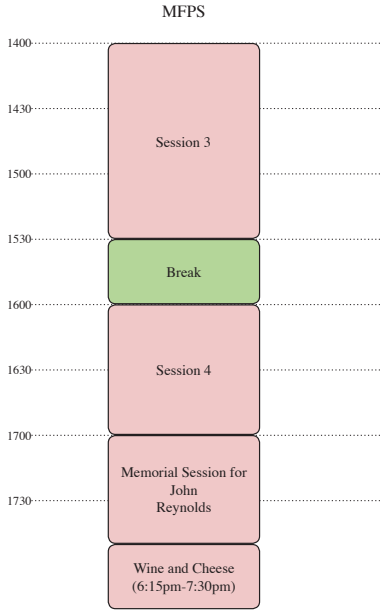
Sunday AM



Monday AM



Sunday PM



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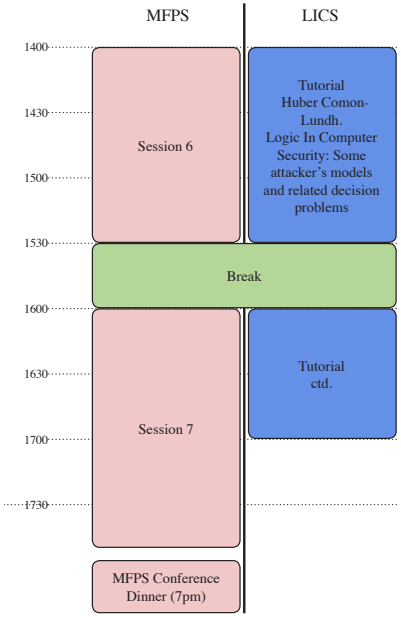
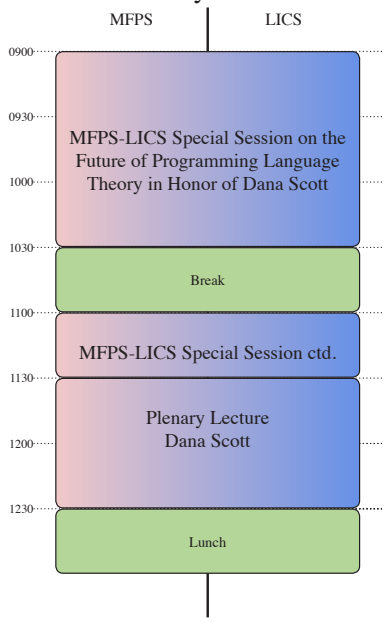


Tuesday AM



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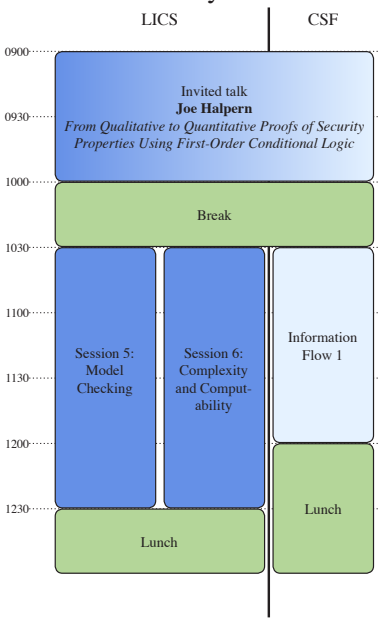
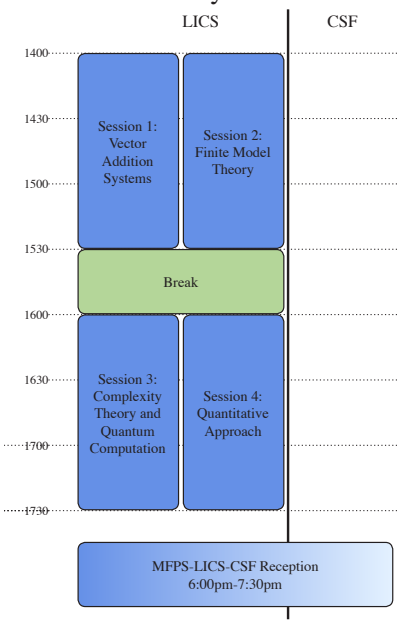
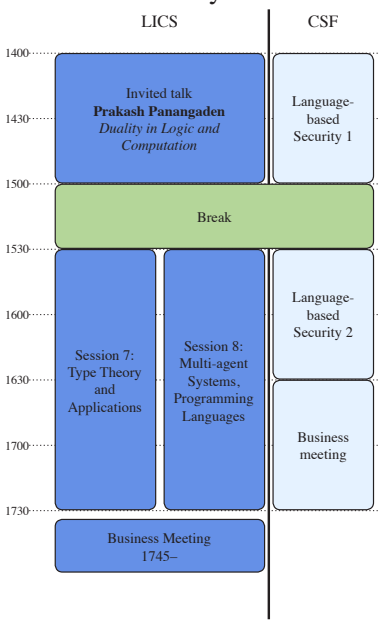


Tuesday PM



Wednesday PM



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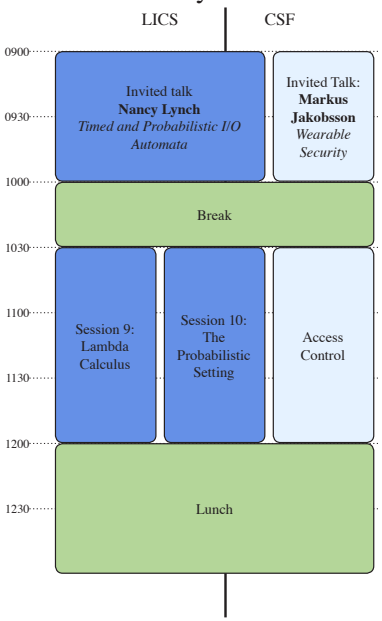
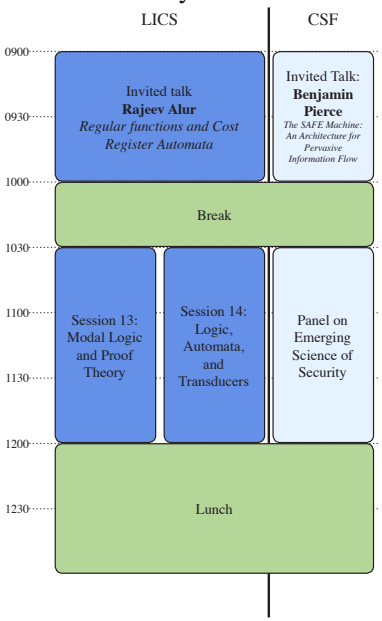
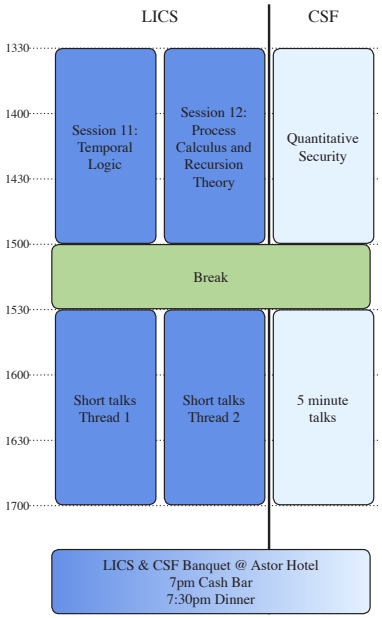


Friday AM



Thursday PM



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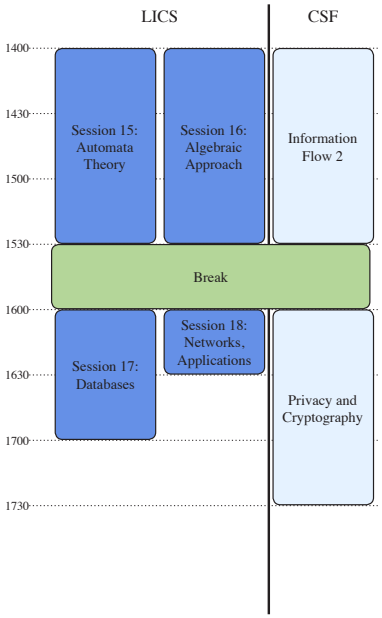

Detailed MFPS–LICS–CSF Conference Program

Sunday, June 23

Busses run from Astor Hotel – See Bus Schedule	
8:00 am	*Continental Breakfast – LBC 1834 Club – Building 29*
MFPS Conference – Freeman Auditorium – Building 82	
8:30 am	Martin Escardó, *Birmingham*, Continuity of Gödel's System T Definable Functionals via Effectful Forcing
9:00 am	Danel Ahman, *Edinburgh*, and Sam Staton, *Cambridge* Normalization by Evaluation and Algebraic Effects
9:30 am	Roy Crole and Frank Nebel, *Leicester*, Nominal Lambda Calculus: An Internal Language for FM-Cartesian Closed Categories
10:00 am	*Break – LBC 1834 Club – Building 29*
10:30 am	Martin Abadi, *Microsoft Research and UCSC*, Jérémy Planul, *Stanford* and Gordon Plotkin, *Edinburgh*, Layout Randomization and Nondeterminism
11:00 am	Mike Stay, *Auckland* and Jamie Vicary, *Oxford*, Bicategorical Semantics of Nondeterministic Computation
11:30 am	Maciej Piróg and Jeremy Gibbons, *Oxford*, Monads for Behaviour
12:00 pm	Bart Jacobs, *Radboud*, On Block Structures in Quantum Computation
12:30 pm	*Lunch*
2:00 pm	David Basin, *ETH Zurich*, *Plenary Lecture* Developing Security Protocols by Refinement
3:00 pm	Reinhold Heckmann, *AbsInt*, and Klaus Keimel, *Darmstadt* Quasicontinuous Domains and the Smyth Powerdomain
3:30 pm	*Break – LBC 1834 Club – Building 29*
4:00 pm	Eric Goubault, Tobias Heindel and Samuel Mimram, *CEA* A Geometric View of Partial Order Reduction
4:30 pm	Stefan Milius, *Erlangen-Nürnburg*, Marcello Bonsangue, *Leiden & CWI*, Robert Myers, *Braunschweig* and Jurriaan Rot, *Leiden & CWI* Rational Operational Models
5:00 pm	*Short Break*
	Memorial Session for John Reynolds
5:10 pm	Uday Reddy, *Birmingham*, Automata-theoretic Semantics of Idealized Algol with Passive Expressions
5:40 pm	Stephen Brookes and Dana Scott, *CMU*, Benli Pierce, *UPenn* and Gordon Plotkin, *Edinburgh*
6:15 pm	*Wine & Cheese – LBC 1834 Club – Building 29*
	Bus back to Astor Hotel – See Bus Schedule

Detailed MFPS–LICS–CSF Conference Program

Monday, June 24

Busses run from Astor Hotel – See Bus Schedule		
8:00 am	*Continental Breakfast – LBC 1834 Club – Building 29*	
	Freeman Auditorium – Building 82	
8:30 am	Ichiro Hasuo, Kenta Cho, Toshiki Kataoka, *Tokyo* and Bart Jacobs,*Radboud*, Coinductive Predicates and Final Sequences in a Fibration	
	MFPS–LICS Special Session on Coalgebras	
9:00 am	Jan Rutten, *CWI, Plenary Lecture*, Automata and the Algebra-coalgebra Duality: On Varieties and Covarieties, on Transition Monoids and Their Dual	
10:00 am	Bart Jacobs, *Radboud*, Coalgebra and Quantum Computing	
10:40 am	*Break – LBC 1834 Club – Building 29*	
11:10 am	Larry Moss, *Indiana*, Fractal Sets and Final Coalgebras Obtained by Completing an Initial Algebra	
11:50 am	Lutz Schröder, *Erlangen-Nürnburg* Coalgebraic Announcements	
12:30 pm	*Lunch*	
	MFPS Conference *Freeman Auditorium – Building 82*	*LICS Tutorial* *Stone Auditorium – Building 83*
2:00 pm	Glynn Winskel, *Cambridge* Distributed Probabilistic and Quantum Strategies	Hubert Comon-Lundh, *LSV Cachan*
2:30 pm	Uli Fahrenberg, *IRISA Rennes* and Axel Legay, *Liegè* History-Preserving Bisimilarity for Higher-Dimensional Automata via Open Maps	Logic In Computer Security: Some attacker's models and related decision problems
3:00 pm	Samuel Mimram and Cinzia Di Giusto, *CEA* A Categorical Theory of Patches	
3:30 pm	*Break – LBC 1834 Club – Building 29*	
4:00 pm	Kei Terayama and Hideki Tsuiki, *Kyoto*, A Stream Calculus of Bottomed Sequences for Real Number Computation	*Comon Tutorial*
4:30 pm	Zoltan Ésik, *Szeged* A Connection between Concurrency and Language Theory	*Comon Tutorial ends*
5:00 pm	Pierre Clairambault and Glynn Winskel, *Cambridge* On Concurrent Games with Payoff	
5:30 pm	David Sprunger, *Indiana* Linearization of Automatic Arrays, Weave Specifications and Variadic Sequences	
Bus back to Astor Hotel (for those NOT attending MFPS Conference Dinner) – See Bus Schedule		
6:30	*Bus from Tulane to MFPS Conference Dinner*	
7:00 pm	*MFPS Conference Dinner*	
9:30 pm	*Buses back to Astor Hotel*	

Detailed MFPS–LICS–CSF Conference Program

Tuesday, June 25

Busses run from Astor Hotel – See Bus Schedule	
8:00 am	*Continental Breakfast – LBC 1834 Club – Building 29*
	MFPS–LICS Special Session on the Future of Programming Language Theory Honoring Dana Scott
	Freeman Auditorium – Building 82
9:00 am	Andy Pitts, *Cambridge*, Symmetric Scott
9:30 am	Steve Awodey, *CMU*, Constructing Higher Inductive Types in Homotopy Type Theory
10:00 am	Robert Harper, *CMU*, Unifying Programming Language Semantics with Algorithm Analysis
10:30 am	*Break – LBC 1834 Club – Building 29*
11:00 am	Andrej Bauer, *Slovenia*, Algebraic Effects and Handlers (How to use Domain Theory and PERs to do Semantics of Effectful Computations)
11:30 am	Dana Scott, *CMU*, *Plenary Lecture*
12:30 pm	*Lunch*

LICS Conference Program

	Jones Hall 102 – Building 25	*Jones Hall 204 – Building 25*
	Session 1: Vector Addition Systems	Session 2: Finite Model Theory
2:00 pm	Jerome Leroux, *Presburger Vector Addition Systems*	Martin Otto, *Groupoids, Hypergraphs, and Symmetries in Finite Models*
2:30 pm	Stéphane Demri, Diego Figueira and M. Praveen, *Reasoning about Data Repetitions with Counter Systems*	Lucas Heimberg, Dietrich Kuske and Nicole Schweikardt, *An optimal Gaifman normal form construction for structures of bounded degree*
3:00 pm	Jerome Leroux, Vincent Penelle and Grgoire Sutre, *On the Context-freeness Problem for Vector Addition Systems*	Witold Charatonik and Piotr Witkowski, *Two-variable Logic with Counting and Trees*
3:30 pm	*Break – LBC 1834 Club – Building 29*	
	Jones Hall 204 – Building 25	*Jones Hall 102 – Building 25*
	Session 3: Complexity Theory and Quantum Computation	Session 4: Quantitative Approach
4:00 pm	Bart Jacobs, *Measurable Spaces and their Effect Logic*	Stephan Kreutzer and Cristian Riveros, *Quantitative Monadic Second-Order Logic*
4:30 pm	Jamie Vicary, *Topological Structure of Quantum Algorithms*	Thomas Colcombet, *Cost Functions with Several Order of Magnitudes and the use of Relative Internal Set Theory*
5:00 pm	Hugo Férée, Walid Gomaa and Mathieu Hoyrup, *On the query complexity of real functional*	Jan Hoffmann, Michael Marmar and Zhong Shao, *Quantitative Reasoning for Proving Lock-Freedom of Non-Blocking Data Structures*

6:00 pm – 7:30 pm MFPS-LICS-CSF Reception – LBC Qatar Room – Building 29

Buses back to Astor Hotel – See Bus Schedule

	Busses run from Astor Hotel – See Bus Schedule		
8:00 am	*Continental Breakfast – LBC 1834 Club – Building 29*		
9:00 am	*LICS–CSF Joint Plenary Talk – Freeman Auditorium – Building 82* Joe Halpern, *Columbia* From Qualitative to Quantitative Proofs of Security Properties Using First-Order Conditional Logic		
10:00 am	*Break – LBC 1834 Club*		
	Jomes Hall 204 – Building 25 Session 5: Model Checking	*Jones Hall 102 – Building 25* Session 6: Complexity and Computability	*Freeman Auditorium – Building 82* Information Flow 1:
10:30 am	Kord Eickmeyer, Ken-Ichi Kawarabayashi and Stephan Kreutzer, Model Checking for Successor-Invariant First-Order Logic on Minor-Closed Graph Classes	Matthew Anderson, Anuj Dawar and Bjarki Holm, Linear Programming and Maximum Matching in Fixed-Point Logic with Counting	Benoit Montagu, Benjamin Pierce and Randy Pollack, A Theory of Information-Flow Labels
11:00 am	Philippe Balbiani, Andreas Herzig and Nicolas Troquard, Dynamic logic of propositional assignments: a well-behaved variant of PDL	Mikołaj Bojańczyk, Bartek Klin, Sławomir Lasota and Szymon Toruńczyk, Turing Machines with Atoms	Dante Zanarini, Mauro Jaskelioff and Alejandro Russo, Precise Enforcement of Confidentiality for Reactive Systems
11:30 am	Anudhyan Boral and Sylvain Schmitz, Model-Checking Parse Trees	Angelo Montanari and Pietro Sala, Adding an equivalence relation to the interval logic ABB: complexity and expressiveness	Willard Rafnsson and Andrei Sabelfeld, Secure multi-execution: fine-grained, declassification-aware, and transparent
12:00 pm	Benedikt Bollig, Dietrich Kuske and Roy Mennicke. The Complexity of Model Checking Multi-Stack Systems	Piotr Hofman, Richard Mayr and Patrick Totzke. Decidability of Weak Simulation on One-counter Nets	*Lunch*
12:30 pm	*Lunch*		
	Jones Hall 102 – Building 25		*Freeman Auditorium – Building 82* Language-based Security 1:
2:00 pm	*LICS Plenary Lecture* Prakash Panangaden, Duality in Logic and Computation		Chang Liu, Michael Hicks and Elaine Shi, Memory Trace Oblivious Program Execution 2:30 pm: Jérémy Planul and John Mitchell Oblivious program execution and path-sensitive non-interference
3:00 pm	*Break – LBC 1834 Club – Building 29*		
	Jones Hall 204 – Building 25 Session 7: Type Theory and Applications	*Jones Hall 102 – Building 25* Session 8: Multi-agent Systems, Programming Languages	*Freeman Auditorium Building 82* Language-based Security 2:
3:30 pm	Lars Birkedal and Rasmus Ejlers Møgelberg, Intensional Type Theory with Guarded Recursive Types qua Fixed-Points on Universes	James Hales. Arbitrary Action Model Logic and the Synthesis of Action Models	Matteo Maffei, Kim Pecina and Manuel Reinert, Security and Privacy by Declarative Design
4:00 pm	Daniel R. Licata and Michael Shulman, Calculating the Fundamental Group of the Circle in Homotopy Type Theory	Fabio Mogavero, Aniello Murano and Luigi Sauro, On the Boundary of Behavioral Strategies	Pedro Adão, Riccardo Focardi and Flaminia L. Luccio, Type-Based Analysis of Generic Key Management APIs
4:30 pm	Jorge Luis Sacchini, Type-Based Productivity of Stream Definitions in the Calculus of Constructions	Sergey Goncharov and Lutz Schroeder, A Relatively Complete Generic Hoare Logic for Order-Enriched Effects	*CSF Business Meeting*
5:00 pm	Neil Ghani, Peter Hancock, Lorenzo Malatesta, Fredrik Nordvall Forsberg and Anton Setzer. Fibred Data Types	Chuck Liang and Dale Miller, Unifying Classical and Intuitionistic Logics for Computational Control	
5:45 pm	*LICS Business Meeting – Rathskeller - – Building 29*		*Buses back to Astor Hotel – See Bus Schedule*
	Buses back to Astor Hotel – See Bus Schedule		

Detailed MFPS–LICS–CSF Conference Program
Thursday, June 27

	Busses run from Astor Hotel – See Bus Schedule		
8:00 am	*Continental Breakfast – LBC 1834 Club – Building 29*		
9:00 am	*LICS Plenary Talk* *Jones Hall 102 – Building 25* Nancy Lynch, *MIT* *Timed and I/O Automata*		*CSF Plenary Talk* *Freeman Auditorium – Building 82* Markus Jacobbson, *PayPal, FatSkunk* *Wearable Security*
10:00 am	*Break – LBC 1834 CLub*		
	Jomes Hall 204 – Building 25 Session 9: Lambda Calculus	*Jones Hall 102 – Building 25* Session 10: The Probabilistic Setting	*Freeman Auditorium – Building 82* Access Control
10:30 am	Andrea Asperti and Jean-Jacques Levy, The cost of usage in the lambda calculus	Dexter Kozen, Kim Guldstrand Larsen, Radu Mardare and Prakash Panangaden, Stone Duality for Markov Processes	Anna Lisa Ferrara, Georg Fuchsbauer and Bogdan Warinschi Cryptographically enforced RBAC
11:00 am	Jim Laird, Giulio Manzonetto, Guy McCusker and Michele Pagani, Weighted relational models of typed lambda-calculi	Tomas Brazdil, Krishnendu Chatterjee, Vojtech Forejt and Antonin Kucera, Trading Performance for Stability in Markov Decision Processes	Mingsheng Ying, Yuan Feng and Nengkun Yu Quantum Information-Flow Security: Noninterference and Access Control
11:30 am	Tom Gundersen, Willem Heijltjes and Michel Parigot, Atomic lambda-calculus: a typed lambda-calculus with explicit sharing	Sumit Nain and Moshe Vardi, Solving Partial Information Stochastic Parity Games	Timothy Hinrichs, Diego Martinoia, William C. Garrison III, Adam Lee, Alessandro Panebianco and Lenore Zuck, Application-Sensitive Access Control Evaluation using Parameterized Expressiveness
12:00 pm	*Lunch*		
	Jones Hall 102 – Building 25 Session 11: Temporal Logic	*Jones Hall 204 – Building 25* Session 12: Process Calculus and Recursion Theory	*Freeman Auditorium – Building 82* Quantitative Security
1:30 pm	Paul Hunter, Joel Ouaknine and James Worrell, Expressive Completeness for MetricTemporal Logic	Daniel Hirschkoff, Jean-Marie Madiot and Davide Sangiorgi, Name-passing calculi: from fusions to preorders and types	Michael Backes, Aniket Kate, Praveen Manoharan, Sebastian Meiser and Esfandiar Mohammadi AnoA: A Framework For Analyzing Anonymous Communication Protocols
2:00 pm	Grigore Rosu, Andrei Stefanescu, Stefan Ciobaca and Brandon Moore, Reachability Logic	Ioana Domnina Cristescu, Jean Krivine and Daniele Varacca, A compositional semantics for the reversible pi-calculus	Xihui Chen, Gabriele Lenzini, Sjouke Mauw, Jun Pang and Miguel Martins, A Trust Framework for Evaluating GNSS Signal Integrity
2:30 pm	Massimo Benerecetti, Fabio Mogavero and Aniello Murano, Substructure Temporal Logic	Naoki Kobayashi, Pumping by Typing	Tom Chothia, Yusuke Kawamoto, Chris Novakovic and David Parker, Probabilistic Point-to-Point Information Leakage
3:00 pm	*Break – LBC 1834 Club*		
3:30 pm	*Jones Hall Building 25* Short Talks		*Freeman Auditorium Building 82* Five-Minute Talks
			Buses back to Astor Hotel – See Bus Schedule
	Buses back to Astor Hotel – See Bus Schedule		
7:00 pm	*LICS–CSF Conference Dinner* – Astor Hotel		

	Busses run from Astor Hotel – See Bus Schedule		
8:00 am	*Continental Breakfast – LBC 1834 Club – Building 29*		
9:00 am	*LICS Plenary Talk* *Jones Hall 102 – Building 25* Rajeev Alur, *UPenn* *Regular functions and Cost Register Automata*		*CSF Plenary Talk* *Freeman Auditorium – Building 82* Benjamin Pierce, *UPenn* *The SAFE Machine: An Architecture for* Pervasive Information Flow
10:00 am	*Break – LBC 1834 Club*		
	Jomes Hall 204 – Building Session 13: Proof Theory	*Jones Hall 102 – Building 25* Session 14: Logic, Automata and Transducers	*Freeman Auditorium – Building 82*
10:30 am	Ori Lahav, From Frame Properties to Hypersequent Rules in Modal Logics	Colin Riba. Forcing MSO on Infinite Words in Weak MSO	Panel on Emerging Science of Security Panelists: David Basin (ETH), Mark Miller (Google), Milind Tambe (USC)
11:00 am	Dirk Pattinson. The Logic of Exact Covers: Completeness and Uniform Interpolation	Ashutosh Trivedi, Antoine Durand-Gasselin and Rajeev Alur. From Monadic Second-Order Definable String Transformations to Transducers	Moderator: Joshua Guttman (WPI)
11:30 am	Beniamino Accattoli, Compressing polarized boxes	Emmanuel Filiot, Olivier Gauwin, Pierre-Alain Reynier and Frédéric Servais, From Two-Way to One-Way Finite State Transducers	
12:00 pm	Achim Jung and Umberto Rivieccio, Kripke semantics for modal bilattice logic	Alessandro Facchini, Yde Venema and Fabio Zanasi, A characterization theorem for the alternation-free fragment of the modal mu-calculus	*Lunch*
12:30 pm	*Lunch*		
	Jones Hall 102 – Building 25 Session 15: Automata Theory	*Jones Hall 204 – Building 25* Session 16: Algebraic Approach	*Freeman Auditorium – Building 82* Information Flow 2:
2:00 pm	Michael Benedikt, Stefan Gller, Stefan Kiefer and Andrzej Murawski. Bisimilarity of Pushdown Automata is Nonelementary	Sam Staton. Instances of computational effects: an algebraic perspective	Martin Mariusz Lester, Luke Ong and Max Schaefer, Information Flow Analysis for a Dynamically Typed Functional Language with Staged Metaprogramming
2:30 pm	Alessandro Facchini, Filip Murlak and Michał Skrzypczak, Rabin-Mostowski index problem: a step beyond deterministic automata	Makoto Hamana and Marcelo Fiore, Multiversal Polymorphic Algebraic Theories: Syntax, Semantics, Translations, and Equational Logic	Luminous Fennell and Peter Thiemann, Gradual Security Typing with References
3:00 pm	Swarat Chaudhuri, Sriram Sankaranarayanan and Moshe Vardi, Regular Real Analysis	Pierre-Evariste Dagand and Conor McBride, A Categorical Treatment of Ornament	Frédéric Besson, Nataliia Bielova and Thomas Jensen Hybrid Information Flow Monitoring Against Web Tracking
3:30 pm	*Break – LBC 1834 Club*		
	Jones Hall 102 – Building 25 Session 17: Databases	*Jones Hall 204 – Building 25* Session 18: Networks, Applications	*Freeman Auditorium Building 82* Privacy and Cryptography
4:00 pm	Tomasz Gogacz and Jerzy Marcinkowski, Converging to the Chase - a Tool for Finite Controllability	Olle Fredriksson and Dan Ghica. Abstract machines for game semantics, revisited	Florian Böhl and Dominique Unruh, Symbolic Universal Composability
4:30 pm	Gaelle Fontaine. Why is it hard to obtain a dichotomy for consistent query answering?		Fabienne Eigner and Matteo Maffei, Differential Privacy by Typing in Security Protocol
5:00 pm			Gilles Barthe, George Danezis, Benjamin Grégoire, César Kunz and Santiago Zanella-Bguelin, Verified Computational Differential Privacy with Applications to Smart Metering
	End of LICS and CSF Conferences		
	Buses back to Astor Hotel – See Bus Schedule		

Workshops

NLCS

The Natural Language and Computer Science workshop will take place on Friday at 10am in Room 120 of Newcomb Hall (Building 74 on the campus map). The organizers are Larry Moss (Indiana) and Valeria de Paiva (Birmingham). The workshop program will be distributed at the workshop.

FCS and FCC

The combined Foundations of Computer Security and the Formal and Computational Cryptography workshops will take place on Saturday, June 29 in the Stone Auditorium (Building 83 on the campus map). The FCC'13 workshop on will takes place as an evening session after FCS'13.

FCS - Foundations of Computer Security

9:00-10:00 Invited talk (session chair: Michael Clarkson)

- *Static Analysis of Cache Side Channels*
  Boris Köpf

10:00-10:30 Coffee break

10:30-12:30 Information flow (session chair: Cătălin Hriţcu)

- *When not all bits are equal: Incorporating "worth" into information-flow measures*
  Mario S. Alvim, Andre Scedrov, and Fred B. Schneider.
- *Abstract channels, gain functions and the information order*
  Annabelle McIver, Carroll Morgan, Larissa Meinicke, Geoffrey Smith, and Barbara Espinoza.
- *MAP-REDUCE Runtime Enforcement of Information Flow Policies*
  Minh Ngo, Fabio Massacci, and Olga Gadyatskaya.
- *A Framework for Composing Noninterferent Languages*
  Andreas Gampe and Jeffery Von Ronne.

12:30-14:00 Lunch

14:00-15:30 Security protocols 1 (session chair: Santiago Zanella Béguelin)

- *A Formal Framework for Secure Routing Protocols*
  Chen Chen, Limin Jia, Hao Xu, Cheng Luo, Wenchao Zhou, and Boon Loo.
- *Translating between equational theories for automated reasoning*
  Ben Smyth, Myrto Arapinis, and Mark Ryan
- *Using Interpolation for the Verification of Security Protocols (Extended Abstract)*
  Giacomo Dalle Vedove, Marco Rocchetto, Luca Viganò, and Marco Volpe.

15:30-16:00 Coffee break

16:00-17:00 Security protocols 2 (session chair: Bruno Blanchet)

- *Bounded Memory Protocols and Progressing Collaborative Systems*
  Max Kanovich, Tajana Ban Kirigin, Vivek Nigam, and Andre Scedrov.
- *A Multi-Role Translation of Protocol Narration into the Spi-Calculus with Correspondence Assertions*
  Eijiro Sumii and Yuji Sato.

17:00-17:30 Break

FCC - Formal and Computational Cryptography

17:30-19:00

- *A Composable Computational Soundness Notion*
  Florian Böhl, Véronique Cortier, and Bogdan Warinschi.
- *When Formal Proofs meet Application Developers*
  Jim Alves-Foss.
- *A Sequent Calculus for the Computationally Complete Symbolic Attacker*
  Pedro Adão.

HOPA

The Higher-Order Program Analysis workshop will take place on Friday afternoon, June 28 and on Saturday morning, June 29 in Room 119 of Newcomb Hall (Building 74 on the campus map).

Friday 28th June

13:30 to 15:30: Opening Session

13:30 Invited Talk: Suresh Jagannathan

A Relational Framework for Higher-Order Shape Analysis

14:30 Tutorial: Type-Based Analysis of Higher-Order Programs

Niki Vazou, Patrick M. Rondon, Eric Seidel, Ranjit Jhala

15:30 to 16:00: Coffee Break

16:00 to 18:00: Second Session

16:00 On Generating Constraints for Refinement Type Inference

Ruslán Ledesma-Garza, Andrey Rybalchenko

16:30 Higher-Order Program Verification as Satisfiability Modulo Theories with Algebraic Data-Types

Nikolaj Bjørner, Ken McMillan, Andrey Rybalchenko

17:00 Linear Dependent Types for Domain Specific Program Analysis

Marco Gaboardi

Saturday 29th June

9:00 to 10:00: Morning Session

9:00 Invited Talk: Neil Jones

Termination of Untyped Lambda Calculus by Flow Analysis (Joint work with Nina Bohr)

10:00 to 10:30: Coffee Break

10:30 to 12:30: Closing Session

10:30 Concrete Semantics for Pushdown Analysis: The Essence of Summarization

J. Ian Johnson, David Van Horn

11:00 Böhm Trees as Higher-Order Recursive Schemes

P. Clairambault, A. S. Murawski

11:30 An Abstraction Refinement Approach to Higher-Order Model Checking

Steven J. Ramsay, Robin P. Neatherway, C.-H. Luke Ong

12:00 Towards Tree Automata-Based Success Types

Robert Jakob, Peter Thiemann

LOLA

The Syntax and Semanrtics of Low-level Languages (LOLA) workshop will take place on Saturday, June 29 in Room 123 of Newcomb Hall (Building 74 on the campus map).

Programme

9:00-10:00 Invited talk: *Verifying Transformations of the LLVM IR*
Steve Zdancewic (University of Pennsylvania)

10:00-10:30 Morning break

10:30-11:00 *Compilation using abstract machines for game semantics*
Olle Fredriksson

11:00-11:30 *Approximate reasoning for Markov Processes*
Radu Mardare and Prakash Panangaden

11:30-12:00 *Monad-based Partial Correctness Assertions*
Sergey Goncharov and Lutz Schröder

12:00-14:00 Lunch

14:00-15:00 Invited talk: *Machine code, formal verification and functional programming*
Magnus Myreen (University of Cambridge)

15:00-15:30 *Towards Verified Shared-memory Cooperation for C*
Lennart Beringer, Gordon Stewart, Robert Dockins and Andrew W. Appel

15:30-16:00 Afternoon break

16:00-16:30 *Low-Level Program Verification using Matching Logic Reachability*
Dwight Guth, Andrei Stefanescu and Grigore Rosu

16:30-17:00 *Memory Trace Oblivious Program Execution*
Chang Liu, Michael Hicks and Elaine Shi

3rd Workshop on Socio-Technical Aspects in Security and Trust

June 29, 2013, Newcomb Hall 16B (Building 74)

Program

08:45 - 09:00 Welcome

09:00 - 10:00 Invited talk

10:00 - 10:30 coffee break

10:30 - 12:00 First Session

Applying the Lost-Letter Technique to Assess IT Risk Appetite.
Elmer Lastdrager, Lorena Montoya, Pieter Hartel, Marianne Junger.

How Privacy Flaws Affect Consumer Perception.
Sadia Afroz, Aylin Caliskan Islam, Jordan Santell, Aaron Chapin, Rachel Greenstadt.

Transparency enhancing tools (TETs): an overview.
Milena Janic, Jan Pieter Wijbenga and Thijs Veugen.

12:00 - 12:30 Discussion
12:30 - 14:00 Lunch break (on your own)

14:00 - 15:30 Second Session

Toward an Ontology for Insider Threat Research: Varieties of Insider Threat Definition.
Carly Huth, David Mundie and Sam Perl.

American and Indian Conceptualizations of Phishing.
Rucha Tembe, Kyung Wha Hong, Christopher Mayhorn, Emerson Murphy-Hill and Christopher Kelley.

Adopting the CMU/APWG Anti-Phishing Landing Page idea for Germany.
Melanie Volkamer, Simon Stockhardt and Steffen Bartsch.

15:30 - 16:00 Coffee break

16:00 - 17:00 Panel discussion

17:00 - 17:30 Discussion & farewell

3rd Workshop on Socio-Technical Aspects in Security and Trust

June 29, 2013

Abstracts

Applying the Lost-Letter Technique to Assess IT Risk Appetite.
Elmer Lastdrager, Lorena Montoya, Pieter Hartel, Marianne Junger.

Collecting data related to IT security can be problematic, especially when compliance to an information security policy needs to be quantified. Social sciences could provide tools to empirically study IT security. We use a variation of the lost-letter technique: the lost USB key technique. The observational lost-letter study by Farrington and Knight (1979) was replicated in a university setting by dropping 106 USB keys. Labels on the USB keys were used to vary victim characteristics. Observers noted down characteristics of people who picked a USB key up and whether the USB key was returned. Results show that USB keys in their original box are stolen more than used ones, people aged 30 or younger and people who place a found USB key in their pocket are more likely to steal. The decision to steal a USB key is taken at moment of pick up, despite ample opportunity to return it. The lost USB key technique proved to be a feasible method of data collection to measure risk appetite. The application of such techniques may provide researchers with sufficient data to validate models, validate interventions or quantify behaviour.

How Privacy Flaws Affect Consumer Perception.
Sadia Afroz, Aylin Caliskan Islam, Jordan Santell, Aaron Chapin, Rachel Greenstadt.

We examine how consumers perceive publicized instances of privacy flaws and private information data breaches. Using three real-world privacy breach incidents, we study how these flaws affected consumers' future purchasing behavior and perspective on a company's trustworthiness. We investigate whether despite a lack of widespread privacy enhancing technology (PET) usage, consumers are taking some basic security precautions when making purchasing decisions. We survey 600 participants on three well-known privacy breaches. Our results show that, in general, consumers are less likely to purchase products that had experienced some form of privacy breach. Finally, we find

evidence of a slight bias toward giving products the consumers owned themselves more leeway, as suggested by the endowment effect hypothesis.

Transparency enhancing tools (TETs): an overview.
Milena Janic, Jan Pieter Wijbenga and Thijs Veugen.

As the amount of users' information collected and exchanged on the Internet is growing, so are, consequently, the users' concerns that their privacy might be violated. Some studies have shown that a large number of users avoid engaging in online services due to privacy concerns. It has been suggested that increased transparency of privacy related mechanisms may promote users' trust. This paper reviews the relationship between users' privacy concerns, transparency enhancing and privacy enhancing mechanisms on the one hand, and users' trust on the other, based on the existing literature. Our literature review demonstrates that previous studies have produced inconsistent results, implying this relationship should be re- examined in future work. Impact of higher transparency on users' trust has been insufficiently studied. Current research seems to suggest that the increase of the understanding of privacy issues increases importance of privacy for trust. Use of privacy enhancing mechanisms by service provider also seems to promote the trust, but this may only hold when these mechanisms are understood by the user. A need for tools that would provide users with this kind of knowledge has also been repeatedly recognized. Additionally, this paper provides an overview and description of the currently available transparency enhancing tools. To the best of our knowledge, no such overview has been available to this end. We demonstrate that the majority of tools promote awareness. Most of them attempt to provide a better understanding of privacy policies, or provide insight in the third party tracking behavior. Two tools have been identified that provide some insight in the collected user's data. No tool providing specific information on, or access to, processing logic has been identified.

Toward an Ontology for Insider Threat Research: Varieties of Insider Threat Definition.
Carly Huth, David Mundie and Sam Perl.

The lack of standardization of the terms *insider* and *insider threat* has been a noted problem for researchers in the insider threat field. This paper describes the investigation of 42 different definitions of the terms *insider* and *insider threat*, with the goal of facilitating the discussion of creating a standard language of insider threat.

American and Indian Conceptualizations of Phishing.
Rucha Tembe, Kyung Wha Hong, Christopher Mayhorn, Emerson Murphy-Hill and Christopher Kelley.

Using Amazon's Mechanical Turk, fifty American and sixty-one Indian participants completed a survey that assessed characteristics of phishing attacks, asked participants to describe their previous experiences, and report phishing consequences. The results indicated that almost all participants had been targets, yet Indian participants were twice as likely to be successfully phished as American participants. Part of the reason appears to be that American participants reported more frequent efforts to protect themselves online by looking for the padlock icon in their browser. Statistical analyses indicated that American participants agreed more with items for characteristics of phishing, consequences of phishing and the types of media where phishing occurs, suggesting more cautiousness and awareness of phishing.

Adopting the CMU/APWG Anti-Phishing Landing Page idea for Germany.
Melanie Volkamer, Simon Stockhardt and Steffen Bartsch.

Phishing attacks are still a big problem and purely technical solutions cannot solve this problem. In addition, awareness needs to be increased. While research literature in general shows that educating users in security is hard, the Anti- Phishing Landing Page proposed by CMU researchers seems promising as it appears in the most teachable moment – namely once someone clicked on a link and was very likely to fall for phishing. While this page is already in use and exists in many languages we show that it is not effective in Germany as most users leave the page immediately without having read any advice. We therefore explore options to adopt their ideas for Germany. We focus on which are the trustworthy institutes that could provide such a landing page on their web pages and what is an appropriate headline and design.

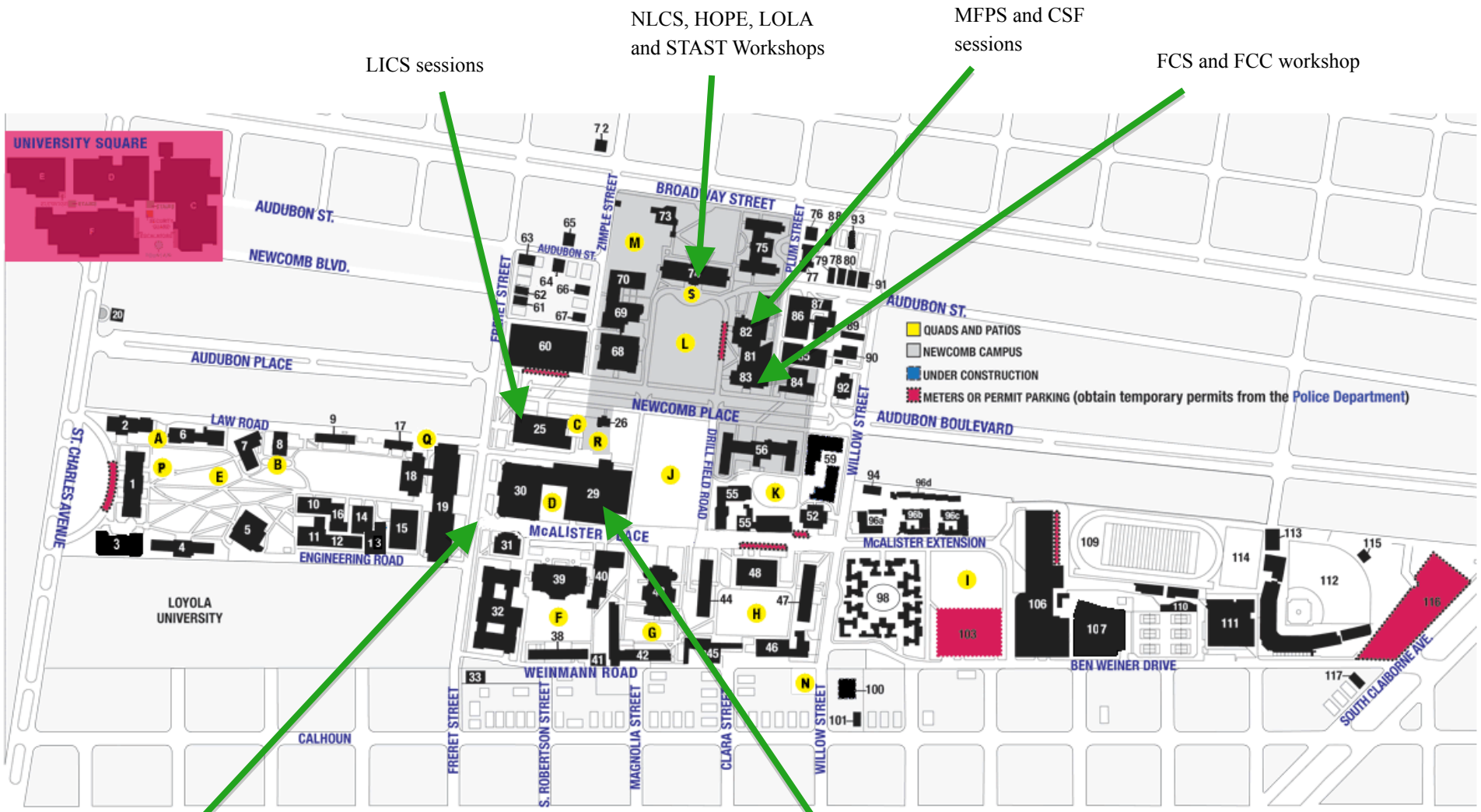

Figure 2: Tulane Campus Map

Accounting Office - 65
1030 Audubon Street
Annual Fund Giving & Call Center - 101
2510 Calhoun Street
Aron Student Residences - 98
Benenson Plaza - S
Boggs Center for Energy and Biotechnology - 15
Walter E. Blessey Hall - 11
Brown Field - I
Bruff Commons - 48
Bruff Quad - H
Butler Hall - 52
Caroline Richardson Building - 84
Cassatt Courtyard - C
Robert C. Cudd Hall - 8

Cudd Patio - R

Development & Communications for Newcomb College Institute and Newcomb Alumnae - 78
1326 Audubon St
Devlin Fieldhouse - 30
Diboll Complex/Parking Garage - 103

Digital Media Production, Linguistics, Teacher Preparation & Certification - 63
7041 Freret St

Goldring/Woldenberg Hall II - 40

Grounds Building - 90
F. Edward Hebert Hall - 7
Hertz Center - 107
Howard-Tilton Memorial Library - 60

Institutional Research - 91
1338 Audubon St
International Students & Scholars - 94
Irby House - 44
Merryl and Sam Israel Jr. Environmental Sciences Building - 18
Jewish Studies - 62
7031 Freret Street
Joseph Merrick Jones Memorial - 25
Law Annex - 33
Josephine Louise House - 75
Katherine and William Mayer Residences - 55
Lavin-Bernick Center for University Life - 29
LBC Quad - J

Logistics/Receiving/Shipping Building & Power Plant Building Expansion - 87
1301 Audubon St
Norman Mayer Building - 6
McAlister Auditorium - 43
Elleonora P. McWilliams Hall - 70

Richardson Building - 5
Richardson Memorial - 4
Rogers Memorial Chapel - 73

Rosen Parking Lot - 116
Science and Engineering Facilities - 16
Science and Engineering Lab Complex - 12 & 14
Sharp Hall - 42
Sharp Quad - G

Shakespeare Festival & Tulane Fund Associates - 80
1332 & 1334 Audubon St

School of Social Work - 9

Tony Sofio Baseball Pavilion - 113

Sponsored Projects Admin & Controller's Office - 61
7029 Freret St
Study Abroad - 94
Percival Stern Hall - 19

Student Health Center - 92
Tate House - 67
7008 Zimple Street
Stanley Thomas Hall - 10

yelp

Tulane

Maple Street Cafe New Orleans

Showing 1-10 of 17

1. **Maple Street Cafe** — 21 reviews — $$$ • American (New)
Uptown, Black Pearl
7623 Maple St
New Orleans, LA 70118
(504) 314-9003

While visiting a friend in New Orleans, we stumbled across the Maple Street Cafe when looking for dinner. It was a little more expensive than we had expected, but also a lot tastier. The…

2. Phillips Restaurant & Bar — 43 reviews — $$ • Lounges, American (New)
Uptown, Black Pearl
733 Cherokee St
New Orleans, LA 70118
(504) 865-1155

the area already (Jamila's or **Maple Street Café**), I just never ended up in this joint. However, in this tale, my journey into the night DID end here. A few weeks back, I was out with some

3. Babylon **Cafe** — 61 reviews — $ • Middle Eastern, Mediterranean
Uptown, Black Pearl
7724 Maple St
New Orleans, LA 70118
(504) 314-0010

serve alcohol but it is BYOB. If you are on **Maple Street** and craving Mediterranean food, give Babylon **Cafe** a try.

4. Dante's Kitchen — 377 reviews — $$$ • Cajun/Creole, Seafood
Uptown, Leonidas, Black Pearl
736 Dante St
New Orleans, LA 70118
(504) 861-3121

I have to tell you I would give them a 4.5 if I could. I'm very stingy with my stars, but this place comes close to a 5 with me. First I never expected a restaurant on a residential **street**

5. Chill Out **Cafe** — 48 reviews — $$ • Thai, Breakfast & Brunch
Uptown, Black Pearl
729 Burdette St
New Orleans, LA 70118
(504) 872-9628

This little shotgun house-turned-**cafe** is another solid uptown find. It's buried in the depths of **Maple street**, but it fits in well. A solid mixture of Asian cuisine fills the bill, though

6. Jamila's Mediterranean Tunisian Cuisine — 38 reviews — $$ • Mediterranean
Uptown, Black Pearl
7808 Maple St
New Orleans, LA 70118
(504) 866-4366

of Uptown New Orleans he was right on the mark with places to visit. There are many on the list and this will be my report on one of them. Jamila's **Café** is located on **Maple** St. a few blocks…

7. Satsuma **Café** — 34 reviews — $$ • Coffee & Tea, Bakeries, Breakfast & Brunch
Uptown, Black Pearl
7901 Maple St
New Orleans, LA 70118
(504) 309-5557

by New Orleans' humidity or drinking-heavy culture. Also, you can sit outside in the sun, watch the local pups pass by as the restaurant is situated in a very friendly neighborhood on **Maple**

8. Fresco **Cafe** and Pizzeria — 54 reviews — $$ • Pizza, Sandwiches
Uptown, Black Pearl
7625 Maple St
New Orleans, LA 70118
(504) 862-6363

Bopping up and down **Maple street** which has a cool college vibe that is blended nicely with the Old South feel of New Orleans (not Nawlins for the initiated) often leads one to Fresco **Cafe**

9. Mona's **Cafe** — 42 reviews — $$ • Greek, Mediterranean
Uptown, Black Pearl
1120 S Carrollton Ave
New Orleans, LA 70118
(504) 861-8175

was good but out near the edges there was nothing but bread and the eggplant was thin overall. Same thing with my partner's Gyro- not much meat. 3. Lebanon's down the **street** has better food

10. **Maple Street** Book Shop — 24 reviews — $$ • Bookstores
Uptown, Black Pearl
7523/29 Maple St
New Orleans, LA 70118
(504) 866-4916

Maple Street Book Shop: Fighting the stupids since 1964. I must say, I totally support **Maple Street** Book Shop in this mission. Their weapon of choice? Why books, of course! You know

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new restaurants
I agree with Guy-Tomas Bistro is delicious but pricey (fortunately my friend had a groupon) I second what Jen wrote about Cafe Lilly in the lower…

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I've also moved out of the Tulane bubble, but I'm not too far removed from it to remember these favorites: Felipes. Always perfect for lunch,…

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