

STOC '91 Advance Program
New Orleans, LA
May 6-8, 1991

The 23rd Annual ACM Symposium on Theory of Computing is sponsored by the ACM Special Interest Group for Automata and Computability (SIGACT).

STOC '91 ADVANCE REGISTRATION FORM

Please fill in the form below and send it, along with a check or money order made payable to "STOC '91," to

Prof. Cris Koutsougeras
 ATTN: STOC '91
 Department of Computer Science
 Tulane University
 New Orleans, LA 70118

The regular registration fee includes the Sunday night reception, the Monday night business meeting, the Tuesday night banquet, three continental breakfasts, three lunches, the coffee breaks, and the proceedings. Student registration includes all of the above except the banquet. Nonmember registration includes all of the above and also membership to SIGACT for the following year.

Circle the relevant items below. Refund requests will be honored until April 5, 1991.

TO GET THE EARLY FEE, REGISTRATION MATERIALS MUST BE POSTMARKED BY APRIL 5, 1991.

Category of Registrant	Early Fee	Late Fee (after April 5)
ACM or SIGACT members	\$240	\$300
Authors or Program Committee members	\$240	\$300
Non-ACM, non-SIGACT members	\$300	\$350
Students	\$60	\$110
Extra banquet/jazz ticket(s)	\$40	\$40

ACM AND SIGACT MEMBERS MUST INCLUDE THEIR ACM MEMBERSHIP NUMBER BELOW.

Name -----

ACM Membership Number (required for member discount) -----

Affiliation -----

Address -----

City ----- State/Country ----- Zip -----

Daytime Phone ----- Email address -----

Dietary restriction: Kosher ----- Vegetarian ----- Yuppie -----

STOC '91 HOTEL RESERVATION FORM

Reservations should be RECEIVED by April 5, 1991. To make reservations by phone, call Marriott reservations at (800) 228-9290 (toll-free from the U.S. or Canada) or the New Orleans Marriott at (504) 581-1000, and be sure to mention STOC '91 and/or PARALLEL ALGORITHMS. Rooms are blocked from Saturday, May 4, until Saturday morning, May 11 (the first several days under STOC '91 and the last couple days under PARALLEL ALGORITHMS).

To make reservations by mail, fill in the form below and send it with a check, money order, or credit card information, for the first night's deposit to:

The New Orleans Marriott
555 Canal Street
New Orleans, LA 70140
ATTN: Reservations

The following credit cards are accepted: American Express, Diners Club, Visa, Mastercard, and Carte Blanche. (Don't forget the expiration date and signature.) Deposits will be refunded if the hotel is notified at least one day before your specified arrival. Please advise the hotel of late arrival.

RESERVATIONS REQUESTED BEYOND THE CUT OFF DATE OF APRIL 5, 1991 OR AFTER THE ROOM BLOCK IS FILLED MIGHT NOT BE AVAILABLE. Checkout time is 12 noon and checkin is at 3 pm. Arrivals earlier than 3 pm will be accommodated if the rooms are ready.

Single \$109 _____ Double (1 bed) \$109 _____
Double (2 beds) \$109 _____ Triple \$129 _____ Quad \$139 _____
Name (print) _____
Address _____
City _____ State/Country _____ Zip _____
Arrival Date _____ Departure Date _____
Sharing room with _____
Credit Card (if used) _____
Exact Name on Credit Card _____
Credit Card No. _____
Expiration Date of Credit Card _____

I authorize the New Orleans Marriott Hotel to charge my account for one night's deposit and all applicable taxes.

Signature _____ Phone number _____

PROGRAM

All events will be held at the New Orleans Marriott Hotel. All technical sessions will be held in the Acadia Ballroom on third floor. Lunches will be held in the adjacent Bissonet Ballroom. During the day the Bonaparte and Regent Suites on fourth floor will be available for small meetings and discussions. The welcoming reception will be held Sunday night, 8–11 pm, in La Galerie, Salons 4–6, on second floor. The Monday night business meeting will be 9–11 pm in the Acadia Ballroom on third floor. The banquet will start at 7 pm Tuesday night in the Mardi Gras Ballroom on third floor. You can tune to channel 2 on the TV in the hotel rooms for this and other information.

SUNDAY, MAY 5, 1991

RECEPTION: 8 pm - 11 pm, La Galerie, Salons 4-6, 2nd floor.

MONDAY, MAY 6, 1991

Session 1: 8:45 am - 10:20 am

Chair: Joan Feigenbaum, AT&T Bell Labs

8:45: PP is Closed Under Intersection

R. Beigel, N. Reingold, and D. Spielman, Yale

9:05: Integral Equations, Systems of Quadratic Equations, and Exponential-Time Completeness

K. Ko, SUNY Stony Brook

9:25 Checking Computations in Polylogarithmic Time

L. A. Levin, Boston; L. Babai, U. Chicago and Eotvos;

L. Fortnow and M. Szegedy, U. Chicago

9:45 Self-Testing/Correcting for Polynomials and for Approximate Functions

P. Gemmell, Berkeley; R. Lipton and R. Rubinfeld, Princeton;

M. Sudan, Berkeley; A. Wigderson, Hebrew U. and Princeton

10:05 Deterministic Algorithms for Undirected s-t Connectivity Using Polynomial Time and Sublinear Space

G. Barnes and W. L. Ruzzo, Washington

Coffee break 10:25 am - 10:50 am

Session 2: 10:50 am - 12:30 pm

Chair: Joachim von zur Gathem, University of Toronto

10:50 Effective Noether Irreducibility Forms and Applications

E. Kaltofen, Rensselaer

11:10 Factoring Numbers Using Singular Integers

L. Adleman, USC

11:30 Constructing Nonresidues in Finite Fields and the Extended Riemann Hypothesis

J. Buchmann, U. des Saarlandes; V. Shoup, Toronto

11:50 Reducing Elliptic Curve Logarithms to Logarithms in a Finite Field

A. Menezes and S. Vanstone, Waterloo; T. Okamoto, NTT Laboratories

12:10 Fast Monte Carlo Algorithms for Permutation Groups

L. Babai, U. Chicago and Eotvos; G. Cooperman and L. Finkelstein, Northeastern; E. Luks, Oregon; A. Seress, Ohio State

Lunch break: 12:30 pm - 2:00 pm

Session 3: 2:00 pm - 3:40 pm

Chair: David Shmoys, Cornell University

- 2:00 Fast Approximation Algorithms for Multicommodity Flow Problems
T. Leighton, MIT; F. Makedon, U. Texas, Dallas; S. Plotkin, Stanford;
C. Stein, MIT; E. Tardos, Cornell; S. Tragoudas, U. Texas, Dallas
- 2:20 A Matroid Approach to Finding Edge Connectivity and Packing Arborescences
H. N. Gabow, Colorado
- 2:40 Clique Partitions, Graph Compression, and Speeding-up Algorithms
T. Feder and R. Motwani, Stanford
- 3:00 When Trees Collide: An Approximation Algorithm for the Generalized
Steiner Tree Problem on Networks
A. Agrawal, P. Klein, and R. Ravi, Brown
- 3:20 Improved Algorithms for Linear Inequalities with Two Variables per Inequality
E. Cohen, Stanford; N. Megiddo, IBM Almaden

Coffee break: 3:40 pm - 4:05 pm

Session 4: 4:05 pm - 5:45 pm

Chair: Umesh Vazirani, University of California, Berkeley

- 4:05 Sampling and Integration of Near Log-Concave Functions
D. Applegate and R. Kannan, CMU
- 4:25 Local Expansion of Vertex-Transitive Graphs and Random Generation
in Finite Groups
L. Babai, U. Chicago and Eotvos
- 4:45 Counting Linear Extensions Is #P-Complete
G. Brightwell, London School of Economics and Political Science;
P. Winkler, Bellcore
- 5:05 Finding Hidden Hamiltonian Cycles
A. Z. Broder, DEC SRC; A. M. Frieze, CMU; E. Shamir, Hebrew U.
- 5:25 Probabilistic Recurrence Relations
R. M. Karp, Berkeley

BUSINESS MEETING: 9:00 p.m. - 11 p.m., Acadia Ballroom, 3rd floor.

TUESDAY, MAY 7, 1991

Session 5: 8:45 am - 10:25 am

Chair: Ashok Chandra, IBM T.J. Watson

- 8:45 Separating Concurrent Languages with Categories of Language Embeddings
E. Shapiro, Weizmann
- 9:05 Generic Computation and Its Complexity
S. Abiteboul, INRIA; V. Vianu, U.C. San Diego
- 9:25 Hamiltonian Paths in Infinite Graphs
D. Harel, Weizmann Institute
- 9:45 Fundamental Discrepancies Between Average-Case Analyses Under
Discrete and Continuous Distributions: A Bin Packing Case Study
E. G. Coffman, C. A. Courcoubetis, M. R. Garey, and D. S. Johnson,
AT&T Bell Labs; L. A. McGeoch, Amherst; P. W. Shor, AT&T Bell Labs;
R. R. Weber, Cambridge; M. Yannakakis, AT&T Bell Labs
- 10:05 Proof of the $4/3$ Conjecture for Preemptive vs. Nonpreemptive
Two-processor Scheduling
E.G. Coffman, Jr. and M.R. Garey, AT&T Bell Labs

Coffee break: 10:25 am - 10:50 am

Session 6: 10:50 am - 12:30 pm

Chair: Daniel Sleator, Carnegie Mellon University

10:50 Competitive Paging with Locality of Reference

A. Borodin, Toronto; S. Irani, Berkeley;

P. Raghavan and B. Schieber, IBM T. J. Watson

11:10 The Harmonic Online K-Server Algorithm is Competitive

E. Grove, Berkeley

11:30 A Model for Data in Motion

S. Kahan, U. Washington

11:50 Lower Bounds for Randomized k-Server and Motion Planning Algorithms

H. Karloff, U. Chicago; Y. Rabani and Y. Ravid, Tel Aviv

12:10 Randomization vs. Computability in Online Problems

X. Deng and S. Mahajan, Simon Fraser

Lunch break: 12:30 pm - 2:00 pm

Session 7: 2:00 pm - 3:30 pm

Chair: Eli Upfal, IBM Almaden

2:00 Fast Parallel Space Allocation, Estimation, and Integer Sorting

T. Hagerup, Max Planck Institute

2:20 Converting High Probability into Nearly-Constant Time--with

Applications to Parallel Hashing

Y. Matias and U. Vishkin, Maryland and Tel Aviv

2:40 Fully Dynamic Algorithms for Edge-Connectivity Problems

Z. Galil, Columbia and Tel Aviv; G. F. Italiano, Columbia and U. Rome

3:00 Linear Approximation of Shortest Superstrings

A. Blum, MIT; T. Jiang, McMaster; M. Li, Waterloo;

J. Tromp, CWI; M. Yannakakis, AT&T Bell Labs

3:20 An Efficient Algorithm for the Genus Problem with Explicit

Construction of Forbidden Subgraphs

H. Djidjev, Bulgarian Academy of Sciences and Carleton; J. Reif, Duke

Coffee break: 3:40 pm - 4:05 pm

Session 8: 4:05 pm - 5:45 pm

Chair: Baruch Awerbuch, MIT

4:05 Counting Networks and Multi-Processor Coordination

J. Aspnes, CMU; M. Herlihy, DEC CRL; N. Shavit, IBM Almaden and MIT

4:25 Bounds on the Time to Reach Agreement in the Presence of Timing Uncertainty

H. Attiya, MIT and Technion; C. Dwork, IBM Almaden;

N. Lynch, MIT; L. Stockmeyer, IBM Almaden

4:45 Wait-free Parallel Algorithms for the Union-Find Problem

R. J. Anderson, Washington; H. Woll, UC San Diego

5:05 Combining Tentative and Definite Executions for Very Fast

Dependable Parallel Computing

Z.M. Kedem, Courant; K.V. Palem, IBM T. J. Watson;

A. Raghunathan, U.C. Davis; P.G. Spirakis, Patras

5:25 Algorithms for Parallel k-Vertex Connectivity and Sparse Certificates

J. Cheriyan, Cornell; R. Thurimella, Maryland

BANQUET AND JAZZ: starts at 7 pm, Mardi Gras Ballroom, 3rd floor.

WEDNESDAY, MAY 8, 1991

Session 9: 8:45 am - 10:25 am

Chair: Michael Saks, U.C. San Diego

- 8:45 The Expressive Power of Voting Polynomials
J. Aspnes, CMU; R. Beigel, Yale; M. Furst and S. Rudich, CMU
- 9:05 Lower Bounds for Non-Commutative Computation
N. Nisan, Hebrew U.
- 9:25 Rounds in Communication Complexity Revisited
N. Nisan, Hebrew U.; A. Wigderson, Hebrew U. and Princeton
- 9:45 On Deterministic Approximation of DNF
M. Luby, ICSI; B. Velickovic, Berkeley
- 10:05 A Lower Bound for Parallel String Matching
D. Breslauer, Columbia; Z. Galil, Columbia and Tel Aviv

Coffee break: 10:25 am - 10:50 am

Session 10: 10:50 am - 12:30 pm

Chair: Leonard Pitt, University of Illinois

- 10:50 When Won't Membership Queries Help
D. Angluin, Yale; M. Kharitonov, Stanford
- 11:10 Learning Decision Trees Using the Fourier Spectrum
E. Kushilevitz, Technion; Y. Mansour, Harvard
- 11:30 On-Line Learning of Linear Functions and Iterative Solution of
Linear Systems
N. Littlestone, NEC; P. M. Long and M.K. Warmuth, UC Santa Cruz
- 11:50 Testing Finite State Machines
M. Yannakakis and D. Lee, AT&T Bell Labs
- 12:10 Searching in the Presence of Linearly Bounded Errors
J. A. Aslam and A. Dhagat, MIT

Lunch break: 12:30 pm - 2:00 pm

Session 11: 2:00 pm - 3:20 pm

Chair: Leo Guibas, Stanford, MIT, and DEC

- 2:00 Navigating in Unfamiliar Geometric Terrain
A. Blum, MIT; P. Raghavan and B. Schieber, IBM TJ Watson
- 2:20 Approximations and Optimal Geometric Divide-and-Conquer
J. Matousek, Charles University
- 2:40 Hidden Surface Removal With Respect to a Moving View Point
K. Mulmuley, U. Chicago
- 3:00 Dynamic Trees and Dynamic Point Location
M. T. Goodrich, Johns Hopkins; R. Tamassia, Brown

Coffee break, 3:20 pm - 3:40 pm

Session 12: 3:40 pm - 5:00 pm

Chair: Michael Ben-Or, Hebrew U.

- 3:40 Rigorous Time/Space Tradeoffs for Inverting Functions
A. Fiat, Tel Aviv; M. Naor, IBM Almaden
- 4:00 Non-Malleable Cryptography
D. Dolev, IBM Almaden and Hebrew U.; C. Dwork and M. Naor, IBM Almaden

- 4:20 General Completeness Theorems for 2-Party Games
J. Kilian, MIT
- 4:40 Perfect Cryptographic Security from Partially Independent Channels
U. M. Maurer, Princeton

GENERAL INFORMATION

Conference Registration and Events The regular registration fee includes the Sunday night reception, the Monday night business meeting, the Tuesday night banquet, three continental breakfasts, three lunches, the coffee breaks, and the proceedings. Student registration includes all of the above except the banquet. Creole and Cajun hors d'oeuvre will be served at the reception, and local refreshments will be served at the business meeting. The banquet includes entertainment by a traditional New Orleans jazz band. Extra banquet tickets are available for \$40 and can be purchased with registration or preregistration.

The registration desk will be open outside the reception in La Galerie, second floor, on Sunday night from 8–11 pm. On Monday to Wednesday, there will be a registration and information desk set up outside the Acadia Ballroom on third floor from 8 am to 5 pm.

Proceedings Additional copies of the STOC '91 proceedings will be available at the registration desk, on a first come, first served basis.

Hotel Information The conference will be held at the New Orleans Marriott Hotel, 555 Canal Street, New Orleans, LA 70140 ((504) 581-1000). The Marriott is a first-class hotel conveniently located in downtown New Orleans at the corner of Canal Street and Chartres, on the edge of the beautiful French Quarter.

A block of rooms is being held from Saturday, May 4 until Saturday morning, May 11, at a very special symposium rate for STOC '91 and the subsequent Workshop on Parallel Algorithms. The daily rates per room are \$109 (single, one-bed double, or two-bed double), \$129 (triple), and \$139 (quad). See the hotel reservation form for more information. Reservations received after the cut off date of April 5, 1991 or after the room block is filled are subject to limited availability and might not be available at the group rate. Our group room rates are very inexpensive compared to those of other hotels, so please reserve early. If rooms run out, extra rooms might be found nearby at the Sheraton New Orleans Hotel ((504) 525-2500), Hotel Le Méridien New Orleans ((504) 525-6500), or the Monteleone Hotel ((504) 523-3341).

Child Care The Marriott does not have an in-house babysitting service, but can provide a list of babysitters upon request.

Airline Information United Airlines has been designated as the official airline of STOC '91 and is offering special fares between May 2 and May 12. From U.S. cities, the discount is 45% off unrestricted coach fares when purchased three days in advance and 5% off any restricted fares. Separate discounts are available for flights from Canadian cities. There may also be discounts on international United flights if there is sufficient booking.

To obtain this convention discount, you must call Pearson Travel (ARC No. 41801863), 93 Dyer Street, Providence, R.I. 02903. The phone number during business hours is (800) 729-2500 (toll-free from the U.S. or Canada). After business hours, for emergency use, you can call (800) 343-5032 (toll-free from the U.S. only) or (617) 262-5000.

Transportation New Orleans International Airport (MSY) is served by most major airlines. The airport is located just west of the city, about 14 miles from downtown. Rhodes shuttles will take you to the Marriott for about \$7 per person; you can board them near the Delta airlines baggage claim. Taxi fare is approximately \$18 total for 1-3 people, \$24 for four people, and \$30 for five people.

To reach the hotel by car from the airport or points west, follow the signs to I-10 East. Stay on I-10 East about 10.5 miles and follow the signs all the way to the SUPERDOME. (Think SUPERDOME.) Here are the more detailed directions: While on I-10 East, be careful to avoid accidentally getting onto I-610 to Slidell at exit 231; that exit is on the left so you have to stay on the right to remain on I-10 to the business district. The exit you want is Exit 234A, which is 3.5 miles later and is also on the left-hand side. Take Exit 234A (U.S. 90-SUPERDOME-CLAIBORNE AVE.-WESTBANK) from the left-hand lanes; quickly get to the middle lane and take the SUPERDOME-CLAIBORNE AVE. turnoff. Keep following the signs to the SUPERDOME.

When you finally reach the Superdome, at the bottom of the ramp, turn left. The road winds around the Superdome and eventually merges onto Poydras Street. Continue on Poydras about 0.6 miles and turn left onto one-way Tchoupitoulas Street (immediately before the Holiday Inn Crowne Plaza). Proceed a couple blocks to Canal Street, the next big intersection. Turn left onto Canal Street. The Marriott will be just ahead on the right. You can turn into the Marriott garage at the entrance.

To reach the hotel by car from points east, enter New Orleans on I-10 West. Take Exit 235B (CANAL STREET-SUPERDOME). After you get off the exit ramp, go one block to the light. Turn right; you'll now be on Canal Street. Proceed about 0.9 miles. The Marriott will be on your left. Pass it, make a U-turn at the indicated place on the neutral ground (being careful not to run into a city bus), and pull into the Marriott garage.

The arrival point for Greyhound buses and Amtrak trains is the Union Passenger Terminal, which is about one mile from the Marriott. Regular train service extends to Houston and California, to Chicago (on the City of New Orleans), and to Atlanta and the east coast.

Workshop on Parallel Algorithms The 2nd Annual Workshop on Parallel Algorithms (WOPA 2) will be held at the New Orleans Marriott immediately after STOC '91, on Thursday, May 9 and Friday, May 10. Registration is \$50 (\$20 for students) and includes two lunches, a reception on May 9, and conference materials. Student fellowships are available. Contact Dawn Vance at (301) 405-6730, dawn@umiacs.umd.edu, for more information.

Things to See, Do, and Eat. New Orleans (pronounced "Noo AW-lins") is deservedly nicknamed America's Most Interesting City. It is world-renowned for its European flavor and is ideal for walking, touring, shopping, and dining. It also boasts one of the world's largest ports. The New Orleans Marriott Hotel is on the border of the historic French Quarter, the city's most famous site. The French Quarter (known locally as the Vieux Carré) consists

of 70-odd city blocks that formed the original settlement founded in 1718 by the French brothers Bienville and Iberville. The Quarter's architecture and lacework balconies are actually Spanish, fashioned during Spain's rule during the last half of the 18th century.

One block from the hotel is Royal Street, where you can find scores of interesting antique shops and art galleries. One more block brings you to Bourbon Street's many restaurants and night clubs. Mahogany Hall (near the start of Bourbon) and Preservation Hall (just off Bourbon on St. Peter) are great and inexpensive places to hear traditional jazz. (Be sure you get a seat at Preservation Hall; you might have to stand in back for the first set.) Picturesque Jackson Square, with its centerpiece statue of Andrew Jackson, hero of the Battle of New Orleans, is bounded by Chartres, St. Peter, St. Ann, and Decatur Streets. On the Chartres side of the square is the Cabildo (the former Spanish seat of government), St. Louis cathedral (one of the oldest and most photographed churches in the U.S.), and the Presbytère. Both the Cabildo and Presbytère now serve as museums. On the opposite side are the Mississippi River, the renovated Jax Brewery shopping mall, and Café du Monde, which serves its famous beignets (doughnuts) and strong café au lait (with chicory) 24 hours a day. Most of the city is below sea level, so you have to walk up to see the river. The French Market is the portion of the French Quarter starting at Café du Monde and extending downriver. Walking tours of the French Quarter are available from the National Park Service (in the French Market, 916 N. Peters Street, 589-2636) and the Presbytère (523-3939).

The brand new Aquarium of the Americas is a couple blocks from the Marriott on the Mississippi River at the foot of Canal Street. It ranks as one of the best aquariums in the world. It houses more than 7,500 specimens of marine life found throughout the Americas. There is a streetcar line along the river that runs from the French Market to the Riverwalk mall and convention center. The large Hilton hotel at the Riverwalk is home to Pete Fountain's jazz club. The streetcar makes several stops, including Jax Brewery, the Aquarium, and Canal Street. You can take a boat or hydrofoil on the Mississippi River from the Aquarium's dock to the popular Audubon Park Zoo in the uptown section of the city. The zoo encompasses 58 acres of simulated natural habitats and more than 1,500 animals, many of them rare and exotic. The front part of Audubon Park faces Tulane and Loyola Universities. The St. Charles streetcar, the oldest continuously-operated commuter rail line in America, runs regularly from Canal Street along St. Charles and Carrollton Avenues. It is a nice one-mile walk or jog from the Tulane University carstop through Audubon Park to the zoo. You get to see some beautiful uptown mansions, the Garden District, and De La Salle High School (where one conference co-chair graduated) along the way.

Other city attractions include the New Orleans Theater of the Performing Arts, the New Orleans Philharmonic-Symphony Orchestra, the Louisiana Superdome, the New Orleans Museum of Art in City Park, river and bayou cruises, antebellum homes on the Mississippi River, and many excellent places to hear jazz and New Orleans rhythm and blues. Three places of note in the uptown section of the city are Tipitina's (on Napoleon Avenue near the river), Maple Leaf (on Oak Street off Carrollton), and Tyler's (on Magazine). Information on the well-known Jazz and Heritage Festival is given below. New Orleans and its environs are also a sportsman's paradise, offering superb opportunities for golf, fishing of all types, tennis, horseracing, and professional sports. There are several nice jogging routes around the French Quarter and the river. And if you have any time left after all that, the technical talks at STOC '91 are supposed to be pretty good.

New Orleans is home to such Creole and Cajun specialties as beignets, strong coffee and chicory, red beans and rice (the traditional Monday meal), jambalaya, crawfish etouffée, turtle soup, gumbo, oysters Rockefeller and Bienville, eggs Benedict and eggs Sardou, po-boy sandwiches (made on French bread, sliced lengthwise), oyster and shrimp loaves (fried seafood po-boys), muffalettas (Italian coldcut and oil sandwiches sold at Central Grocery in the French Market), Ramos gin fizzes, . . . and the list goes on and on. World-class restaurants such as Antoine's, Galatoire's, Brennan's, Arnaud's, and K-Paul's are in the French Quarter just a few blocks away from the Marriott, and Emeril's is near the convention center. (Some restaurants require a coat and tie.) Oyster bars like Felix's, Acme, and the Pearl are even closer. Further information on sights and dining will be available at the registration desk.

The French Quarter is full of tourists at night, especially on Bourbon Street and near Café du Monde, and is considered safe. We recommend that you avoid wandering off to the areas northwest of the French Quarter, on the other side of North Rampart and Basin Streets (six blocks from the Marriott in the direction away from the river), where there is a higher incidence of neighborhood crime.

Jazz and Heritage Festival An excellent incentive to arrive a day or two early, besides getting cheaper airfares, is the world-famous Jazz and Heritage Festival, which will be concluding the Thursday–Sunday immediately before STOC '91. The festival brings together a host of great names in traditional jazz, modern jazz, rhythm and blues, and gospel. It also has several local food and crafts booths. The festival takes place at the Fairgrounds race track near City Park, 11 am–7 pm. Besides the two main stages, there are 10 other side stages and tents. The seating at the main stages is informal, and most people sit on blankets in the infield. Chair seating is available in the tents. Tickets cost about \$7; no advance tickets are needed. There are also several concerts given throughout the week at various auditoriums in the city. Call (504) 522–4786 to order reserved seats in advance. An 800-number will be available starting in March.

Climate Early May weather is very nice in New Orleans. Daily temperatures typically range from 60–80 degrees F. Rain is likely sometime during the week; bring an umbrella.

Further Information Updates and further information can be obtained automatically by sending an email message to stoc@rex.cs.tulane.edu or stoc91@rex.cs.tulane.edu. Or you can contact one of the conference co-chairs:

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