siam ®

SOCIETY for INDUSTRIAL and APPLIED MATHEMATICS

PLACE YOUR ORDER TODAY!

WEB Use the online shopping cart on SIAM's website at *www.siam.org/catalog*. SIAM Members select "Member Price." All others select "List Price" and enter coupon code "BKCS09" to receive the discounted conference price.

E-MAIL credit card orders to: *siambooks@siam.org*

FAX P.O.s and credit card orders to: 215-386-7999. Be sure to include a completed copy of this entire order form.

PHONE credit card orders only to: 800-447-SIAM (USA and Canada); 215-382-9800 (worldwide). Please fill out all sides of this form before calling to order.

MAIL order form with check, money order, or credit card information to: SIAM, Dept. BKCS09, 3600 Market Street, 6th Floor, Philadelphia, PA USA 19104-2688.

TITLES on DISPLAY

20% DISCOUNT ON DISPLAYED TITLES FOR CONFERENCE ATTENDEES
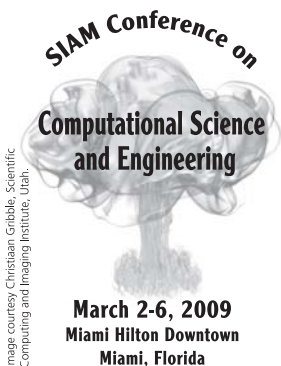
SIAM MEMBERS GET 30% OFF

SIAM Conference on
Computational Science and Engineering

Image courtesy Christiaan Gribble, Scientific Computing and Imaging Institute, Utah.

March 2-6, 2009
Miami Hilton Downtown
Miami, Florida

DISCOUNT PRICES EXPIRE APRIL 6, 2009

Book Total	$_____
Shipping & Handling (if any)	$_____
Other Purchases (if any)	$_____
6% Sales Tax (PA and IN residents only)	$_____
Total	$_____

Standard shipping & handling charges will be waived for purchases made on site.

Standard Shipping & Handling Charges

Order Total	USA	Outside USA
up to $49.99	$5.99	$15.99
$50–$99.99	$6.99	$22.99
$100–$149.99	$7.99	$29.99
$150–$199.99	$8.99	$36.99
$200–$249.99	$9.99	$43.99
$250–$299.99	$10.99	$50.99
$300–$399.99	$13.99	$76.99
$400 or more	$17.99	$90.99

ALL PRICES ARE IN US DOLLARS.

SHIP TO (Please PRINT your full name and address clearly)

Name _____

Organization _____ Department _____

Street _____

City _____ State _____ Zip _____ Country _____

Phone _____ Fax _____ E-mail _____

SIAM members: is this your permanent address?   yes ❑   no ❑

METHOD OF PAYMENT

❑ VISA   ❑ MasterCard   ❑ American Express   ❑ Cash (U.S. dollars)   ❑ Check or Money Order in U.S. dollars (payable to SIAM)

CREDIT CARD ORDERS

Credit Card # | | | | | | | | | | | | | | | | | | | Expiration date _____

Signature _____

PLEASE SEND ME: ❑ Information on SIAM Membership   ❑ Information on SIAM Publications   ❑ A free sample issue of SIAM NEWS

To view a complete listing of SIAM books, as well as information about journals, conferences, and membership, please visit our website: *www.siam.org*

SIAM Use Only	Date: _____
FM/CM/IA # _____	_____
C/R # _____	_____
INV # _____	_____

_____ **# Books Ordered**
_____ **# Books Taken**
_____ **# Books to be Shipped**

Qty.	Order Code	Author(s)	Title	List Price	Attendee Price	Member Price
----------	CL45	Allgower & Georg	Introduction to Numerical Continuation Methods	$66.50	$53.20	$46.55
----------	SE09	Anderson et al	LAPACK Users' Guide, Third Edition	$60.00	$48.00	$42.00
----------	DCS06	Antoulas	Approximation of Large-Scale Dynamical Systems	$99.00	$79.20	$69.30
----------	CL13	Ascher et al	Numerical Solution of Boundary Value Problems for Ordinary Differential Equations	$65.00	$52.00	$45.50
----------	CS05	Ascher	Numerical Methods for Evolutionary Differential Equations	$79.00	$63.20	$55.30
----------	OT61	Ascher & Petzold	Computer Methods for Ordinary Differential Equations and Differential-Algebraic Equations	$57.00	$45.60	$39.90
----------	CL35	Axelsson & Barker	Finite Element Solution of Boundary Value Problems: Theory and Computation	$65.00	$52.00	$45.50
----------	SE11	Bai et al	Templates for the Solution of Algebraic Eigenvalue Problems: A Practical Guide	$76.00	$60.80	$53.20
----------	FR34	Batzel et al	Cardiovascular and Respiratory Systems: Modeling, Analysis, and Control	$106.00	$84.80	$74.20
----------	SE17	Berry & Browne	Understanding Search Engines: Mathematical Modeling and Text Retrieval, Second Edition	$35.00	$28.00	$24.50
----------	DC03	Betts	Practical Methods for Optimal Control Using Nonlinear Programming	$65.50	$52.40	$45.85
----------	CL53	Bhatia	Perturbation Bounds for Matrix Eigenvalues	$49.00	$39.20	$34.30
----------	DC10	Bhaya & Kaszkurewicz	Control Perspectives on Numerical Algorithms and Matrix Problems	$97.00	$77.60	$67.90
----------	CS03	Biegler et al	Real-Time PDE-Constrained Optimization	$99.00	$79.20	$69.30
----------	OT86	Bornemann et al	The SIAM 100-Digit Challenge: A Study in High-Accuracy Numerical Computing	$62.50	$50.00	$43.75
----------	OT96	Böttcher & Grudsky	Spectral Properties of Banded Toeplitz Matrices	$95.00	$76.00	$66.50
----------	AM15	Boyd et al	Linear Matrix Inequalities in System and Control Theory	$64.00	$51.20	$44.80
----------	CL14	Brenan et al	Numerical Solution of Initial-Value Problems in Differential-Algebraic Equations	$49.50	$39.60	$34.65
----------	OT72	Briggs et al	A Multigrid Tutorial, Second Edition	$51.50	$41.20	$36.05
----------	OT90	Briggs	Ants, Bikes, and Clocks: Problem Solving for Undergraduates	$46.00	$36.80	$32.20
----------	OT106	Burkard et al	Assignment Problems	$110.00	$88.00	$77.00
----------	CL49	Carrier et al	Functions of a Complex Variable: Theory and Technique	$57.00	$45.60	$39.90
----------	FR08	Castillo	Mathematical Aspects of Numerical Grid Generation	$51.50	$41.20	$36.05
----------	FA05	Chan & Jin	An Introduction to Iterative Toeplitz Solvers	$67.00	$53.60	$46.90
----------	OT94	Chan & Shen	Image Processing and Analysis: Variational, PDE, Wavelet, and Stochastic Methods	$75.00	$60.00	$52.50
----------	CB77	Chen	Reservoir Simulation: Mathematical Techniques in Oil Recovery	$86.00	$68.80	$60.20
----------	CS02	Chen et al	Computational Methods for Multiphase Flows in Porous Media	$125.00	$100.00	$87.50

Qty.	Order Code	Author(s)	Title	List Price	Attendee Price	Member Price
---------	MM01	Chui	Wavelets: A Mathematical Tool for Signal Analysis	$60.00	$48.00	$42.00
---------	CL40	Ciarlet	The Finite Element Method for Elliptic Problems	$64.50	$51.60	$45.15
---------	CL41	Cullum & Willoughby	Lanczos Algorithms for Large Symmetric Eigenvalue Computations, Vol. I: Theory	$50.50	$40.40	$35.35
---------	OT103	Dahlquist & Björck	Numerical Methods in Scientific Computing, Volume I	$109.00	$87.20	$76.30
---------	CB61	Daubechies	Ten Lectures on Wavelets	$73.50	$58.80	$51.45
---------	FA02	Davis	Direct Methods for Sparse Linear Systems	$65.00	$52.00	$45.50
---------	MM12	de Vries et al	A Course in Mathematical Biology: Quantitative Modeling with Mathematical and Computational Methods	$69.00	$55.20	$48.30
---------	DC04	Delfour & Zolésio	Shapes and Geometries: Analysis, Differential Calculus, and Optimization	$109.50	$87.60	$76.65
---------	OT56	Demmel	Applied Numerical Linear Algebra	$72.00	$57.60	$50.40
---------	CL16	Dennis & Schnabel	Numerical Methods for Unconstrained Optimization and Nonlinear Equations	$57.50	$46.00	$40.25
---------	SE07	Dongarra et al	Numerical Linear Algebra for High-Performance Computers	$57.50	$46.00	$40.25
---------	CL46	Edelstein-Keshet	Mathematical Models in Biology	$54.50	$43.60	$38.15
---------	SE18	Einarsson	Accuracy and Reliability in Scientific Computing	$64.00	$51.20	$44.80
---------	FA04	Eldén	Matrix Methods in Data Mining and Pattern Recognition	$69.00	$55.20	$48.30
---------	OT102	Epstein	Introduction to the Mathematics of Medical Imaging, Second Edition	$99.00	$79.20	$69.30
---------	SE14	Ermentrout	Simulating, Analyzing, and Animating Dynamical Systems: A Guide to XPPAUT for Researchers and Students	$72.50	$58.00	$50.75
---------	FR01	Ewing	The Mathematics of Reservoir Simulation	$62.50	$50.00	$43.75
---------	MP07	Ferris et al	Linear Programming with MATLAB	$45.00	$36.00	$31.50
---------	CB78	Fokas	A Unified Approach to Boundary Value Problems	$75.00	$60.00	$52.50
---------	OT107	Fraser	Hidden Markov Models and Dynamical Systems	$55.00	$44.00	$38.50
---------	OT42	Friedman & Littman	Industrial Mathematics: A Course in Solving Real-World Problems	$41.00	$32.80	$28.70
---------	SA20	Gan et al	Data Clustering: Theory, Algorithms, and Applications	$114.00	$91.20	$79.80
---------	OT99	Gil et al	Numerical Methods for Special Functions	$99.00	$79.20	$69.30
---------	OT79	Gockenbach	Partial Differential Equations: Analytical and Numerical Methods	$79.50	$63.60	$55.65
---------	OT97	Gockenbach	Understanding and Implementing the Finite Element Method	$87.00	$69.60	$60.90
---------	SE12	Goedecker & Hoisie	Performance Optimization of Numerically Intensive Codes	$69.50	$55.60	$48.65

Qty.	Order Code	Author(s)	Title	List Price	Attendee Price	Member Price
----------	CL51	Gohberg et al	Invariant Subspaces of Matrices with Applications	$113.00	$90.40	$79.10
----------	OT100	Gran	Numerical Computing with Simulink, Volume I: Creating Simulations	$81.00	$64.80	$56.70
----------	MM03	Griebel et al	Numerical Simulation in Fluid Dynamics: A Practical Introduction	$87.00	$69.60	$60.90
----------	OT105	Griewank & Walther	Evaluating Derivatives: Principles and Techniques of Algorithmic Differentiation, Second Edition	$73.50	$58.80	$51.45
----------	OT55	Griffiths & Higham	Learning LATEX	$29.00	$23.20	$20.30
----------	OT108	Griva et al	Linear and Nonlinear Optimization, Second Edition	$95.00	$76.00	$66.50
----------	DC05	Gunzburger	Perspectives in Flow Control and Optimization	$80.50	$64.40	$56.35
----------	FA03	Hansen et al	Deblurring Images: Matrices, Spectra, and Filtering	$63.00	$50.40	$44.10
----------	MM04	Hansen	Rank-Deficient & Discrete Ill-Posed Problems: Numerical Aspects of Linear Inversion	$69.50	$55.60	$48.65
----------	DC13	Hanson	Applied Stochastic Processes and Control for Jump-Diffusions: Modeling, Analysis, and Computation	$104.00	$83.20	$72.80
----------	SE20	Heroux et al	Parallel Processing for Scientific Computing	$90.00	$72.00	$63.00
----------	OT104	Higham	Functions of Matrices: Theory and Computation	$59.00	$47.20	$41.30
----------	OT63	Higham	Handbook of Writing for the Mathematical Sciences, Second Edition	$53.00	$42.40	$37.10
----------	OT80	Higham	Accuracy and Stability of Numerical Algorithms, Second Edition	$74.00	$59.20	$51.80
----------	OT92	Higham & Higham	MATLAB Guide, Second Edition	$47.00	$37.60	$32.90
----------	FR26	Höllig	Finite Element Methods with B-Splines	$75.00	$60.00	$52.50
----------	DC11	Ioannou & Fidan	Adaptive Control Tutorial	$99.00	$79.20	$69.30
----------	DC15	Ito & Kunisch	Lagrange Multiplier Approach to Variational Problems and Applications	$99.00	$79.20	$69.30
----------	CL33	Kak & Slaney	Principles of Computerized Tomographic Imaging	$74.00	$59.20	$51.80
----------	FA01	Kelley	Solving Nonlinear Equations with Newton's Method	$46.50	$37.20	$32.55
----------	FR16	Kelley	Iterative Methods for Linear and Nonlinear Equations	$54.00	$43.20	$37.80
----------	FR18	Kelley	Iterative Methods for Optimization	$57.50	$46.00	$40.25
----------	OT47	Keyes et al	Domain-Based Parallelism and Problem Decomposition Methods in Computational Science and Engineering	$72.00	$57.60	$50.40
----------	SE15	Komzsik	The Lanczos Method: Evolution and Application	$50.50	$40.40	$35.35
----------	DC16	Krstic & Smyshlyaev	Boundary Control of PDEs: A Course on Backstepping Designs	$89.00	$71.20	$62.30
----------	CB75	Lasiecka	Mathematical Control Theory of Coupled PDEs	$74.00	$59.20	$51.80

Qty.	Order Code	Author(s)	Title	List Price	Attendee Price	Member Price
---------	OT91	Laub	Matrix Analysis for Scientists and Engineers	$39.50	$31.60	$27.65
---------	CS06	Layton	Introduction to the Numerical Analysis of Incompressible Viscous Flows	$67.00	$53.60	$46.90
---------	OT98	LeVeque	Finite Difference Methods for Ordinary and Partial Differential Equations: Steady-State and Time-Dependent Problems	$63.00	$50.40	$44.10
---------	FR33	Li & Ito	The Immersed Interface Method: Numerical Solutions of PDEs Involving Interfaces and Irregular Domains	$85.00	$68.00	$59.50
---------	CB02	Lindley	Bayesian Statistics, A Review	$34.00	$27.20	$23.80
---------	MM11	Markovsky et al	Exact and Approximate Modeling of Linear Systems: A Behavioral Approach	$64.00	$51.20	$44.80
---------	MM10	Mattheij et al	Partial Differential Equations: Modeling, Analysis, Computation	$127.00	$101.60	$88.90
---------	MM14	Meiss	Differential Dynamical Systems	$79.00	$63.20	$55.30
---------	SE19	Meurant	The Lanczos and Conjugate Gradient Algorithms: From Theory to Finite Precision Computations	$107.00	$85.60	$74.90
---------	OT71	Meyer	Matrix Analysis and Applied Linear Algebra	$92.50	$74.00	$64.75
---------	OT87	Moler	Numerical Computing with MATLAB	$46.50	$37.20	$32.55
---------	OT110	Moore et al	Introduction to Interval Analysis	$72.00	$57.60	$50.40
---------	FR14	Moré & Wright	Optimization Software Guide	$48.00	$38.40	$33.60
---------	SA12	O'Gorman	Applied Adaptive Statistical Methods: Tests of Significance and Confidence Intervals	$68.50	$54.80	$47.95
---------	OT109	O'Leary	Scientific Computing with Case Studies	$92.00	$73.60	$64.40
---------	MM09	Ottesen et al	Applied Mathematical Models in Human Physiology	$76.00	$60.80	$53.20
---------	OT76	Overton	Numerical Computing with IEEE Floating Point Arithmetic	$52.50	$42.00	$36.75
---------	CL20	Parlett	The Symmetric Eigenvalue Problem	$75.00	$60.00	$52.50
---------	OT93	Pearson	Mining Imperfect Data: Dealing with Contamination and Incomplete Records	$70.00	$56.00	$49.00
---------	OT22	Plemmons et al	Parallel Algorithms for Matrix Computations	$34.00	$27.20	$23.80
---------	MM15	Roberts	Elementary Calculus of Financial Mathematics	$59.00	$47.20	$41.30
---------	DC09	Robinett et al	Applied Dynamic Programming for Optimization of Dynamical Systems	$70.00	$56.00	$49.00
---------	SA11	Ross et al	Fuzzy Logic and Probability Applications: Bridging the Gap	$131.00	$104.80	$91.70
---------	FR13	Rüde	Mathematical and Computational Techniques for Multilevel Adaptive Methods	$45.50	$36.40	$31.85
---------	OT82	Saad	Iterative Methods for Sparse Linear Systems, Second Edition	$102.00	$81.60	$71.40
---------	CL52	Segel & Handelman	Mathematics Applied to Continuum Mechanics	$85.00	$68.00	$59.50

Qty.	Order Code	Author(s)	Title	List Price	Attendee Price	Member Price
---------	CS01	Shapira	Solving PDEs in C++: Numerical Methods in a Unified Object-Oriented Approach	$125.00	$100.00	$87.50
---------	DC18	Shima & Rasmussen	UAV Cooperative Decision and Control: Challenges and Practical Approaches	$85.00	$68.00	$59.50
---------	DC17	Speyer & Chung	Stochastic Processes, Estimation, and Control	$99.00	$79.20	$69.30
---------	OT85	Stetter	Numerical Polynomial Algebra	$99.00	$79.20	$69.30
---------	OT49	Stewart	Afternotes on Numerical Analysis	$49.50	$39.60	$34.65
---------	OT58	Stewart	Afternotes Goes to Graduate School: Lectures on Advanced Numerical Analysis	$54.00	$43.20	$37.80
---------	OT60	Stewart	Matrix Algorithms, Volume I: Basic Decompositions	$60.00	$48.00	$42.00
---------	OT77	Stewart	Matrix Algorithms, Volume II: Eigensystems	$65.00	$52.00	$45.50
---------	WC04	Strang & Nguyen	Wavelets and Filter Banks	$80.00	$64.00	$56.00
---------	WC07	Strang	Computational Science and Engineering	$90.00	$72.00	$63.00
---------	OT88	Strikwerda	Finite Difference Schemes and Partial Differential Equations, Second Edition	$107.00	$85.60	$74.90
---------	OT89	Tarantola	Inverse Problem Theory and Methods for Model Parameter Estimation	$91.00	$72.80	$63.70
---------	MM06	Thomas et al	Credit Scoring and Its Applications	$86.00	$68.80	$60.20
---------	OT50	Trefethen & Bau	Numerical Linear Algebra	$57.50	$46.00	$40.25
---------	SE10	Trefethen	Spectral Methods in MATLAB	$47.00	$37.60	$32.90
---------	MM13	van Groesen & Molenaar	Continuum Modeling in the Physical Sciences	$65.00	$52.00	$45.50
---------	FR23	Vogel	Computational Methods for Inverse Problems	$65.50	$52.40	$45.85
---------	OT101	Watkins	The Matrix Eigenvalue Problem: GR and Krylov Subspace Methods	$99.00	$79.20	$69.30
---------	DC14	Xue et al	Linear Feedback Control: Analysis and Design with MATLAB	$99.00	$79.20	$69.30
---------	CS04	Zohdi	An Introduction to Modeling and Simulation of Particulate Flows	$110.00	$88.00	$77.00