SIGCSE2016

Memphis, Tennessee

47th TECHNICAL SYMPOSIUM on COMPUTER SCIENCE EDUCATION

March 2-5, 2016 Memphis Convention Center







SIGCSE2016

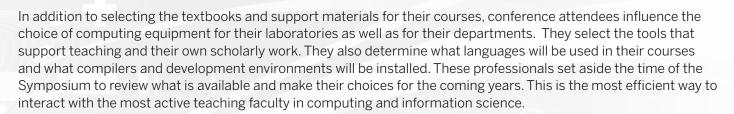
Memphis, Tennessee

47th TECHNICAL SYMPOSIUM on COMPUTER SCIENCE EDUCATION



The Special Interest Group in Computer Science Education of the Association for Computing Machinery (ACM SIGCSE) is a community of approximately 2,600 people whom, in addition to their specialization within computing, have a strong interest in the quality of computing education. The SIGCSE Symposium is the flagship conference

of the organization and is regularly attended by more than 1,200 people. Conference attendees are looking for new ideas, textbooks to support their courses, and materials to improve the effectiveness of their teaching. Course related software and hardware systems are of great interest. With the ever-changing face of computing education attendees will want to find out about the latest innovations in content delivery, classroom management and instructional support.





- Find your target audience among more than 1,200 attendees who come from the college and university Computer Science Education community.
- Develop relationships with other computing professionals from the United States and throughout the world.
- Renew connections with current customers.
- Listen to what computer science educational professionals have to say about your product and future product needs.
- Increase your understanding of the educational IT profession.
- Get more exposure with up to 17 full hours of conveniently scheduled exhibit time, of which up to 5 full hours are unopposed.
- Sell your products and services on the show floor.
- Qualify for outstanding sponsorship and advertising opportunities to suit your level of commitment.
- **AND**...all attendee coffee breaks are held in the Exhibit Hall to maximize your exposure.

Get the Maximum Exposure for Your Business

CONFERENCE SUPPORTER

- Show your company's support for the computer science educational community.
- Get additional exposure for your company.
- Thank customers for their continued business.

EXHIBIT

- Showcase your products and services to over 1,200 decision makers and authorized purchasers.
- Generate new sales leads.
- Introduce new products and services.

ADVERTISE

- Reach the entire SIGCSE 2016 conference of over 1,200 attendees in the conference publications.
- Achieve greater company recognition.
- Get an edge on your competition.





Conference Support Opportunities

Benefits	Platinum \$20,000	Gold \$15,000	Silver \$7,500	Bronze \$4,800
Thank you and highlight on the SIGCSE 2016 website	\checkmark	\checkmark	\checkmark	✓
Logo displayed on the SIGCSE 2016 website with a link	Specially Displayed	Specially Displayed	\checkmark	\checkmark
Exhibit booth benefits	2 free exhibit booths with priority placement* at the SIGCSE Expo	2 free exhibit booths with priority placement* at the SIGCSE Expo	1 free exhibit booth with priority placement* at the SIGCSE Expo	50% discount on exhibit booth at the SIGCSE Expo
10% discount on first additional booth	\checkmark	\checkmark	\checkmark	\checkmark
25% discount on all subsequent additional booths	\checkmark	\checkmark	\checkmark	\checkmark
Logo placement and recognition in Exhibit Guide	Prominent position	\checkmark	\checkmark	√
Supporter session presentations of supporting organization's choice	Two 75 minute sessions	One 75 minute session	One 75 minute Saturday session	
Attendee packet insert	Two inserts	One insert	One insert	One insert
Complimentary conference registrations	3	2	1	1**
Special recognition with logo displayed at opening plenary session	√	\checkmark	✓	√
Advertisement in the Exhibit Guide	One full page, 4-color	One half-page interior, 4 color	One quarter-page, 4 color	
Discount on additional advertisements	25%	15%		
Recognition signage at Exhibit Hall Entrance	Prominent Position	\checkmark	\checkmark	\checkmark

^{*}SIGSCE will reserve limited priority space for supporters until July 1, 2015. After July 1, supporters will be assigned to the best available location on a first come, first served basis.

^{**} Complimentary registration is only available to Bronze supporters that also take an exhibit booth.

Pre-Conference Supporter \$1,000***

- Present a Wednesday session of your choice
- *** You must be an exhibitor or conference supporter to add a pre-session. Audio Visual and any food and beverage served during the session is the responsibility of the supporter

Event Supporter

Amplify your exposure to SIGCSE attendees with your support of these additional opportunities!

- Recognition signage at the event, in the Exhibit Hall and Registration Area
- · Recognition in the Exhibit Guide.

Wireless Access Supporter \$7,000 Wireless Access Co-Supporter \$3,500

- · Logo on wireless login page
- Fee provides internet access throughout the conference facility

Conference Badge Holder \$2,500

The supporter must provide the badge holder with their logo.

Conference Reception Co-Supporter \$5,000

Attendees enjoy networking with each other and meeting our exhibitors during this evening conference reception.

First Timer's Luncheon Reception \$7,500 Refreshment Break Supporter \$3,500 Kids Camp Supporter \$3,500 Student Pizza Party Supporter \$2,500

Affiliated Events \$1,500

Hold an Affiliated Event at SIGCSE 2016. Affiliates are responsible for their own costs. Opportunity based on space availability.

In Kind Donation

The SIGCSE 2016 Conference welcomes pre-approved in kind donations of the following conference items from supporting organizations:

- · Attendee Registration Bags
- · Attendee Badge Lanyards
- · Volunteer T-shirts
- Other appropriate in kind items may be suggested with the approval of the Symposium Chairs and Exhibits Manager.

All item production and shipment costs are the responsibility of the supporting organization. Please contact the SIGCSE Exhibits Manager to coordinate.

Friend of SIGCSE

SIGCSE welcomes all denominations of support.

Contact us at mhodge@executivevents.com or call 303-530-0205, ext. 24 to discuss recognition for the level of support you wish to provide.

As a SIGCSE 2016 Supporter, you get

- **→ Extensive Conference Exposure**
- → Plenary and Conference Session Exposure
- → Complimentary Conference Registration

Advertising Opportunities

The SIGCSE 2016 Exhibit Guide is distributed to all conference attendees and contains information about the conference, exhibits, advertisements, supporter recognition, and exhibitor information. Space is assigned on a first come, first served basis.

COVER ADVERTISING

Full Page Back Cover (4-Color): \$2,500 Full Page Inside Front Cover (4-Color): \$2,000 Full Page Inside Back Cover (4-Color): \$2,000

INSIDE ADVERTISING

Full Page (4-Color): \$1,600 Half Page (4-Color): \$900 Quarter Page (4-Color): \$400

Please contact SIGCSE 2016 at mhodge@executivevents.com or call 303-530-0205, ext. 24 for availability and pricing.

REGISTRATION BAG INSERTS

Exhibitors: \$400/insert Non-exhibitors: \$700/insert

AD SPECIFICATIONS

Full page - bleed: Trim size 8.5"w \times 11"h (allow 1/8" bleed area on all sides)

Full page - non-bleed: 7.5"w × 10"h

Half page: 7.5"w × 47/8"h (horizontal only)

Quarter page: 3.5"w × 47/8"h

AD REQUIREMENTS

Only files in the following formats will be accepted:

- PDF High resolution. All graphics, logos and images used must be a minimum 300dpi resolution.
- Adobe Illustrator EPS (preferred), TIFF or JPG with all type converted to outlines. Minimum 300dpi resolution.
- Direct contact information for ad designer must accompany ad submission.

DEADLINES

Reserve Ad Space: December 7, 2015

Payment: December 7, 2015

Artwork (Electronic files): January 4, 2016

Exhibitor Opportunities

EXHIBITS

The SIGCSE 2016 Exhibits and Conference Sessions will be located in the Memphis Convention Center in Memphis, Tennessee. The Technical Symposium is the flagship event of the Computer Science Education community. Attendees are looking to meet with companies that provide the teaching texts needed by the faculty; hardware and software manufacturers who supply tools which can be utilized at the learning institutions represented by the SIGCSE attendees, students and faculty. Only SIGCSE exhibitors have this unlimited access.

ATTENDEES

The SIGCSE Conference is international, drawing attendees from Canada, New Zealand, and countries in Europe, Asia, South America, and Africa. The majority of our attendees (approximately 90%) come from across the United States.

The program format of panels, papers, special sessions and workshops appeals to a broad range of interests.

SIGCSE provides its exhibitors with a unique opportunity to reach this select community of decision makers from the computer science education community in their immediate area as well as from around the United States and the world.

EXHIBIT SPECIFICATIONS

All Exhibit booths are sold in 10' \times 10' increments. Furniture, A/V, computer, Internet, and other needs can be ordered in advance. Included with each 10' \times 10' booth:

- 8' back drape
- 3' side drape
- One full conference registration per purchased booth. Booth space is assigned on a first come, first served basis.

TENTATIVE EXHIBIT HOURS

The SIGCSE 2016 Exhibits will be open:

- Wednesday 3/2/16
 Exhibitor Set-up: 1:00 pm 6:00 pm
- Thursday 3/3/16
 Exhibits Open: 10:00 am 5:00 pm
- Friday 3/4/16
 Exhibits Open: 10:00 am 5:00 pm
- Saturday 3/5/16
 Exhibits Open: 9:30 am 12:00 pm
- Saturday 3/5/16
 Move Out: 12:00 pm 6:00 pm

(Exhibit hours subject to change at the discretion of the conference management.)

ALL CONFERENCE COFFEE BREAKS ARE HELD IN THE EXHIBIT HALL.

EXHIBIT BOOTH FEES

Reserve before July 1, 2015 and SAVE \$300

• 10' × 10' BOOTH - \$2,000

Reserve After July 1, 2015

- 10' × 10' BOOTH \$2.300
- MULTIPLE BOOTHS 3-5: 10% discount 6 or more: 15% discount

CONTACT SIGCSE 2016

For more information or questions concerning SIGCSE 2016, contact the SIGCSE Exhibits Manager at 303-530-0205, ext. 24 or Miki Hodge at mhodge@executivevents.com.

Questions about supporting and exhibiting at SIGCSE 2016 can also be directed to our Supporter/Exhibitor Liasons, Tom Cortina at tcortina@cs.cmu.edu and David Musicant at dmusican@carleton.edu.

SIGCSE 2015 Exhibitors

ABET

ACM SIGAda

ACM-W, CSTA, ACMCCECC

Auburn University- jGRASP

Broadening Participation in Computing

Cengage Learning

CodeWorkout/Web-CAT

Consortium for Computing Sciences in Colleges

CRC Press/ Taylor & Francis

CS Teaching Tips

Elsevier

EMC Corporation

Franklin, Beedle & Associates Inc

GitHub

Google

Gradescope

ICCP

Institute of International Education

Jones & Bartlett

Mercury Learning

Microsoft

NSF Showcase

Oracle Academy

Pearson

Piazza Technologies, Inc.

Red Hat, Inc.

Springer

Teradata University Network

The MIT Press

Turing's Craft, Inc.

Vocareum Inc.

Wiley

ZyBooks (powered by Zyante)



Reserve your booth before July 1, 2015 and Save \$300

Exhibit Space and Symposium Support

CONTRACTUAL TERMS, CONDITIONS & RULES FOR ACM SIGCSE 2016

CONTRACT FOR SPACE

The Application and Contract for Exhibit Space shall be considered a binding Contract between the two parties. It shall be subject to the rules and regulations as set forth by ACM in this contract when it is submitted with full payment and accepted in writing by ACM and the SIGCSE 2016 Symposium Exhibits Manager. By submitting an application for exhibit space, the applicant releases ACM and the SIGCSE 2016 Symposium Exhibits Manager from any and all liabilities to the applicant, its agents, licenses, or employees that may arise or be asserted as a result of submission of an application or of participation in the SIGCSE 2016 Symposium. For the purpose of this contract, the term "Exhibitor" will also mean "Supporter".

The contracting company/organization (hereinafter called Exhibitor) and ACM agree the goal of exhibitors at the SIGCSE 2016 Symposium is the expansion of sales and marketing opportunities. ACM and the SIGCSE 2016 Symposium Exhibits Manager reserve the sole and absolute right to determine the eligibility of any company/organization's product or service. Acceptance of an application does not imply endorsement by ACM or the SIGCSE 2016 Symposium of the Exhibitor's products or services, nor does rejection imply lack of merit of the same.

Full payment must be received by ACM before the Exhibitor is permitted to enter the exhibition hall to set-up.

USE OF SPACE

ACM shall assign the Exhibit Space to the Exhibitor for the period of the Exhibit (provided the Exhibit Space is made available to ACM) in priority order on receipt of enclosed contract. Such assignment is made for the period of this Exhibit only and does not imply that the same or similar space will be held or offered for future exhibits. Every effort will be made to respect the Exhibitor's space choices whenever possible, but ACM's decision will be final. ACM reserves the right to transfer assignments when such action is deemed to be in the best interest of the total exhibition. ACM reserves the right to withdraw its acceptance of this Application/Contract if it determines in its sole discretion that the exhibitor is not eligible to participate or the Exhibitor's product or services is not eligible to be displayed in this Exhibit.

MEMPHIS CONVENTION CENTER

The exhibitor assumes the entire responsibility and liability for losses, damages, and claims arising out of the exhibitor's activities on the Memphis Convention Center premises and will indemnify, defend, and hold harmless the Memphis Convention Center, ACM, the SIGCSE 2016 Symposium Exhibits Manager and its agents, servants and employees from any and all such losses, damages and claims.

The Memphis Convention Center will not be responsible or liable for any loss, damage or claims arising out of exhibitor's activities on the Memphis Convention Center premises except for an claims, loss, or damage arising directly from its negligence. The ACM will be responsible to negotiate this contract with its exhibitors.

The Exhibitor understands that neither ACM, the SIGCSE 2016 Symposium Exhibits Manager, nor the Memphis Convention Center maintains insurance covering the Exhibitor's property or lost revenue and it is the sole responsibility of the Exhibitor to obtain such insurance.

INTERPRETATION & ENFORCEMENT

These regulations become part of the contract between the Exhibitor, ACM and the SIGCSE 2016 Symposium Exhibits Manager. ACM and the SIGCSE 2016 Symposium have full power of interpretation and enforcement of these rules and may amend them at any time. Also, the Exhibitor agrees to abide by all reasonable rules and regulations published from time to time. All matters in question not covered by these regulations are subject to the decision of ACM and the SIGCSE 2016 Symposium Exhibits Manager and all decisions so made shall be binding on all parties affected by them as by the original regulations. Exhibitors or their representatives who fail to observe these conditions of contract or who, in the opinion of ACM and the SIGCSE 2016 Symposium Exhibits Manager, conduct themselves unethically may be dismissed from the Exposition without refund or other appeal.

OTHER TERMS AND CONDITIONS

The Exhibitor shall comply with all fire laws, electrical codes, and all other rules, regulations, codes or statutes with respect to the installation, conduct, and disassembly of its exhibit. Exhibitor shall also comply with all reasonable requests of ACM, the SIGCSE 2016 Symposium Exhibit Manager, and the Memphis Convention Center officials with respect to the installation, conduct and disassembly of its Exhibit. The Exhibit shall be conducted in a decorous manner in order not to be objectionable to other Exhibitors, the Memphis Convention Center, the Exposition, ACM, the SIGCSE 2016 Symposium Exhibit Manager, or the public. ACM, the SIGCSE 2016 Symposium Exhibit Manager and the Memphis Convention Center reserve the right to close, remove, or require changes in any exhibit or to remove any of the Exhibitor's personnel, agents, representatives, independent contractors, invitees or guests who are deemed detrimental to the overall Exhibition, the Memphis Convention Center, other Exhibitors, or the public.

The license granted by this Contract is personal and may not be transferred without the written consent of ACM. The premises are licensed on an "as is" basis and ACM or the SIGCSE 2016 Symposium Exhibit Manager will not be liable for pre-existing conditions of the premises or for conditions arising during the period or the license. The Exhibitor shall return the premises in as good condition as they were received. ACM or the SIGCSE 2016 Symposium Exhibit Manager, shall in no event be liable to the Exhibitor in excess of any consideration paid by the Exhibitor to ACM or the SIGCSE 2016 Symposium Exhibit Manager, and received by ACM or the SIGCSE 2016 Symposium Exhibit Manager, by its agents, representatives or independent contractors whether acting within or without the scope of their authority by agents, representatives or independent contractors of the Memphis Convention Center or by the general public, ACM or the SIGCSE 2016 Symposium Exhibit Manager is obligations under this Contract due to strikes, acts of God, riots, or any other cause beyond its control. Anyone visiting, viewing or otherwise participating in the Exhibitor's exhibit is deemed to be the invitee or licensee of the Exhibitor rather than the invitee or licensee of ACM, the SIGCSE 2016 Symposium Exhibit Manager, or the Memphis Convention Center shall not be liable for injury of any type from any cause to property of the Exhibitor or to persons conducting or otherwise participating in the conduct of the exhibit or to invitees or guests of the Exhibitor. The Exhibitor assumes full responsibility and liability for the actions of its agents, employees or independent contractors, whether acting within or without the scope of their authority, or jointly, from other causes which arise because of the actions or omissions of its agents, employees, or independent contractors, whether acting within or without the scope of their authority.

There is no other agreement or warranty between the Exhibitor, ACM or the SIGCSE 2016 Symposium Exhibit Manager, except as set forth in this document. The rights of ACM and the SIGCSE 2016 Symposium Exhibit Manager under this Contact shall not be deemed waived except as specifically stated in writing and signed by an authorized representative of ACM and the SIGCSE 2016 Symposium Exhibit Manager. The Exhibitor agrees to abide by all rules and regulations published from time to time by, and governing the Exposition.

This Contract is made and accepted in the State of New York and shall control the construction, interpretation, validity and enforceability of this Contract as if all relevant aspects of the Contract existed only in the State of New York. Any controversy or claim arising out of, or relating to, this Contract or the breach thereof, shall be settled by arbitration in accordance with the rules of the American Arbitration Association sitting in New York, New York, at the discretion of ACM or the SIGCSE 2016 Symposium Exhibit Manger. The Exhibitor hereby consents to jurisdiction of the New York State Courts with respect to any right of action arising under this Contract for any reason. In the event of dispute arising under this Contract, the Exhibitor shall be liable for costs and attorney's fees incurred by ACM and the SIGCSE 2016 Symposium Exhibit Manger in a reasonable attempt to negotiate, arbitrate, or litigate the dispute together.

AMERICANS DISABILITY ACT

The Exhibitor assumes the position of "public accommodation" when they contract to exhibit in the Memphis Convention Center. Therefore, the Exhibitor must make their exhibit accessible to the disabled without causing themselves undue "hardship." A copy of PUBLIC LAW 101-336 [S. 933] AMERICANS WITH DISABILITY ACT OF 1990 is available upon request from the Department of Justice.

EXHIBIT, SUPPORTER, ADVERTISING CANCELLATION

Exhibitor/Supporter may cancel either its participation (including exhibit space, advertising, and sponsorship fees) in the Show or a portion of its exhibit space only upon written notification to ACM/SIGCSE Exhibit Management, Executive Events and subject to the following schedule of liability:

Notification received by ACM/SIGCSE on or before November 2, 2015 Exhibitor/Supporter shall receive a full refund of the total participation fees, less an administrative fee of \$200. Notification received by ACM/SIGCSE after November 2, 2015 but on or before December 7, 2015 exhibitor shall be liable for one half of the total participation fees. Notification received by ACM/SIGCSE after December 7, 2015 exhibitor shall be liable for the total participation fees.

SIGCSE 2016 pre-sale participants - Exhibitors/Supporters that signed an application for SIGCSE 2016 at SIGCSE 2015 pre-sale appointments have until July 1, 2015 to notify ACM SIGCSE Exhibit Management, Executive Events to cancel their participation and relinquish their reserved booth space without penalty and without administrative fee. Notification of cancelation must be sent in writing email mhodge@executivevents.com or fax 303-530-2691.

SIGCSE2016 Memphis, TN

ENGAGE. ENERGIZE. EMPOWER.

March 2-5, 2016
MEMPHIS CONVENTION CENTER

Application and Contract for Conference Support, Exhibit Space and Advertising

Reserve your exhibit booth before July 1, 2015 and SAVE \$300! Questions? Please contact Miki Hodge at mhodge@executivevents.com.

☐ Conference Badge Holder\$2,500

☐ Pre-Conference Supporter\$1,000

EXHIBITOR/SUPPORTER CONTACT INFORMATION					
Company/Organization					
Authorized Person Authorized	zed Person Authorized Person Title				
Authorized Person E-MailA	E-Mail Authorized Person Telephone				
Company/Organization Address					
City/State/Zip					
Please provide the following information for your Event Contact Person SIGCSE 2016).	n (the person that will be managin	g the details of your participation in			
Event Contact Person	E-Mail				
Telephone	Fax				
CONFERENCE SUPPORT					
CONFERENCE SUPPORTERS:	IN KIND DONATION:				
□ Platinum Supporter	☐ Registration Bags				
☐ Additional Supporter Session (Each)\$3,500	Additional Supporter Session (Each)\$3,500				
□ Gold Supporter\$15,000	□ Volunteer T-Shirts				
□ Silver Supporter	□ Other				
□ Bronze Supporter\$4,800	TOTAL (Support)	\$			
EVENT AND ITEM SUPPORT:	CONFERENCE SUPPORT DEADLINES:				
□ Supporter: Wireless Internet Access \$7,000	Deadline for Support Application - 12/7/15*				
□ Co-Supporter: Wireless Internet Access\$3,500	Deadline for Full Payment - 12/7/15				
□ Co-Supporter: Conference Reception \$5,000	* Guaranteed placement in all print publications and signage.				
☐ First Timer's Luncheon Reception					
□ Refreshment Break	PAYMENT:				
□ Co-Supporter: Kids Camp\$3,500	Please complete the "PAYMENT" section on on the second page				
□ Student Pizza Party					
T 0 (D 1 1111	payment.				

Full payment is due by 12/7/15

ACM Tax ID: 13-1921358

Make checks payable to ACM/SIGCSE 2016.

Application and Contract for Conference Support, Exhibit Space and Advertising, continued

EXHIBIT BOOTH SELECTION

All booths are 10" × 10" unless otherwise noted. Exhibit booths are assigned on a first come, first served basis. One (1) full complimentary conference registration is included per purchased booth.

DEADLINES:

Deadline for Early Exhibit Booth Application: 7/01/15 Deadline for Full Payment: 12/7/15

PAYMENT:

Payment is by check or credit card. Please complete the "PAYMENT" section below in full. Application must be submitted with 50% or 100% payment.

Make checks payable to ACM/SIGCSE 2016.

r ayment Neceive	a belole July	1, 2015 (SAVE #5	,00)
□ 10' × 10' Booth.			\$2,000
□ Multiple Booths booths - 15%)	s (Reserve 3-5	oooths - 10% disco	ount. 6 or more
Booths × \$2,0	000		\$
Payment Receive	d After July 1,	2015	
□ 10' × 10' Booth.			\$2,300
□ Multiple Booths booths - 15%)	s (Reserve 3-5	oooths - 10% disco	ount. 6 or more
Booths × \$2,3	300		\$
BOOTH PREFEREI	NCE:		
Choice #1	#2	#3	#4
Sub-Total (Exhibit	Booth)		\$
Less discount for Multiple Booths			
TOTAL (Exhibit Booth)			

Payment Pennised Paters July 1 2015 (CAVE \$200)

ADVERTISING

Ad space will be assigned on a first come. first served basis. Ad specifications on page 3 MUST be observed when submitting ad files.

DEADLINES:

Reserve Space: 12/7/15 Payment: 12/7/15 Ad Files Due: 1/4/16

COVER ADVERTISING:

- ☐ Outside Back Cover (4-Color): \$2,500
- ☐ Inside Front Cover (4-Color): \$2,500 ☐ Inside Back Cover (4-Color): \$2,500
- ☐ Registration Bag Inserts: \$400 per insert for exhibitors
- ☐ Registration Bag Inserts: \$700 per insert for non-exhibitors

INSIDE ADVERTISING:

- ☐ Full Page (4-color): \$1,600
- ☐ Half Page (4-color): \$900
- ☐ Quarter Page (4-color): \$400

TOTAL (Advertising) \$

AUTHORIZATION

☐ I have read and agree to all terms and conditions of this Agreement. I am authorized to execute this Agreement for said Company/Division. Title _____Phone _____ Date E-mail___ Authorized Signature ____

(Important: Application cannot be processed without Authorized Signature.)

PAYMENT

Payment is by check or credit card. Application must be submitted with 50% or 100% payment. Full payment is due by 12/7/15. Make checks payable to: ACM/SIGCSE 2016. ACM Tax ID: 13-1921358

Mail or fax application and payment to:

c/o ACM/SIGCSE 2016 Executivevents 6325 Gunpark Drive, Suite C Boulder CO 80301

Phone: 303-530-0205 x24

TOTAL PAYMENT

(Total Support, Exhibit Booth, Recruiting and Advertising) \$ _____

TYPE OF PAYMENT:

□ Check □ Visa □ MasterCard □ AmEx					
Card No	Exp				
Name					
Billing Address of Cardholder					
Cardholder Signature					