Internet technology has become pervasive in every sector of our global workforce. As the United States economy leaves behind the Industrial Revolution and moves towards a service-dominated industry, the new revolutionary force behind high quality and high paying jobs is technology. Technology is not only transforming the new economy, but it also transforming state and federal governance to address these revolutions in commercial organizations and the economy.

Internet applications related to e-commerce have become very interesting topics for corporations, business and researchers, thereby becoming a highly inter-disciplinary research topic. In response, universities have started incorporating web-based computing issues in several classes as well as designing new programs specifically to address Internet computing. These programs vary in focus and range from certification programs to full-fledged degree programs. The host colleges include business, engineering and arts and sciences colleges.

Successfully addressing problems in this area requires research and collaboration between multi-disciplinary teams. This session is proposed to bring together researcher and practitioners within this field to discuss the current state of the art and to identify promising directions for education and research. The focus is on the latest developments in Internet-based application design, algorithms and protocols for enabling secure web services, supporting technologies for databases and informational sources on the web and to address the Internet's growing impact on all aspects of our society.

Papers are invited (but not limited to) addressing these and related themes:

- Leading edge technologies - tools for the web, mobile internet computing
- Internet computing programs – lessons learnt and best practices
- Graph-theoretic web algorithms
- E-Commerce algorithms and Internet trading services
- Software system architectures and software engineering for internet systems
- Multi-user internet applications and user interface support
- Resource management, data mining and data consistency
- Network services, design and implementation issues
- Intrusion prevention, detection and tolerance
- Data encryption and information security issues
- Monitoring and document management issues
- Internet Applications: Web-based Computer-Supported Cooperative Work (CSCW) Databases, Information Visualization web services, e-commerce, multimedia
- Cultural, ethical, and legal issues and global ramifications
- Legal and technology frameworks to protect the rights of individuals and corporations

Session Organizer: Srini Ramaswamy, Computer Science Department Tennessee Technological University. Email: srini@acm.org / srini@ieee.org  Phone: 931-372-3691  Fax: 931-372-3686
Paper Submission:

Prospective authors are invited to submit three copies of their draft paper (about 5 pages - single space, font size of 10 to 12) to Dr. Srini Ramaswamy by the due date. E-mail submissions in MS document or PDF formats are preferable. Email papers to srini@acm.org or srini@ieee.org. Fax submissions are also acceptable. If faxing you paper, please fax to (931)-372-3686, to the attention of Srini Ramaswamy.

The length of the Camera-Ready papers (if accepted) will be limited to 7 (IEEE style) pages. Papers must not have been previously published or currently submitted for publication elsewhere. The first page of the draft paper should include: title of the paper, name, affiliation, postal address, E-mail address, telephone number, & Fax number for each author. The first page should also include the name of the author who will be presenting the paper (if accepted) & a maximum of 5 keywords.

SERP'04 and IC'04 Conferences are part of the 2004 International MultiConference in Computer Science and Engineering. For information about SERP'04, IC'04 and their affiliated events refer to: http://www.world-academy-of-science.org

Review Process and Publication:

Papers will be reviewed for originality, significance, clarity, and soundness. Each paper will be refereed by two researchers in the topical area. The Camera-Ready papers will be reviewed by one person.

The conference proceedings will be published by CSREA Press (ISBN) in hardcopy. The proceedings will be available at the conference. Some accepted papers will also be considered for journal publication (soon after the conference). All conference proceedings published by CSREA Press are considered for inclusion in major database indexes that are designed to provide easy access to the current literature of the sciences (database examples: ISI Thomson Scientific, IEE INSPEC, DBLP, ...).

Conference Location:

The conferences will be held in the Monte Carlo Resort hotel, Las Vegas, Nevada, USA (with any overflows at other near-by hotels). The Monte Carlo Resort is a mega hotel with excellent conference facilities & over 3,000 rooms. The hotel is minutes from the airport with 24-hour shuttle service to & from the airport. This hotel has many recreational attractions, including: waterfalls, spa, pools & kiddie pools, sunning decks, Easy River water ride, wave pool with cascades, lighted tennis courts, health spa (with workout equipment, whirlpool, sauna, etc.), arcade virtual reality game rooms, nightly shows, snack bars, a number of restaurants, shopping area, bars, etc. Many of these attractions are open 24 hours a day & most are suitable for families & children. The negotiated room rate for conference attendees is very reasonable. The hotel is within walking distance from most other attractions (major shopping areas, recreational destinations, fine dining & night clubs, free street shows, etc).

Important Dates:

Feb. 16, 2004: Papers (about 5 pages) due
Mar. 22, 2004: Notification of acceptance
Apr. 21, 2004: Camera-Ready papers & Pre-registration due