



**You are cordially invited and welcome
to attend the**

**Joint American Society of Nepalese Engineers (ASNEngr) and
Computer Association of Nepal-USA (CAN-USA) Conference
(2014 Joint ASNEngr/CAN-USA Annual Conference)**

*(7th ASNEngr Annual Conference and Meeting and 7th CAN-USA Annual Development
Conference)*

**“Applications of Engineering, Science and Technology in building a
Safer, Better and Sustainable Society”**

Conference Organized By

**American Society of Nepalese Engineers (ASNEngr)
P. O. Box 39524, 4904 York Road
Baltimore, Maryland 21212-9998, USA
Email: info@ASNEngr.org / Web: www.ASNEngr.org**

and

**Computer Association of Nepal, USA (CAN-USA)
PO Box 105, Pleasanton, California 94566, USA
Email: info@can-usa.org / Web: www.can-usa.org**

Conference Hosted By

ASNEngr/Nepalese Engineering & Scientific Community of Arizona

Venue

**Memorial Union Hall- Alumni Lounge
Arizona State University, 301 E. Orange Mall, Tempe, AZ 85281, U.S.A.**

Date

Saturday, June 21- Sunday, June 22, 2014

Conference Websites

www.ASNEngr.org and www.can-usa.org



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Nepal-USA (CAN-USA)
Present**

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Date: June 21-22, 2014

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Arizona State University, 301 E. Orange Mall, Tempe, AZ 85281,U.S.A.

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For registration, please visit – http://www.asnengr.org/conference_registration.php*

-- Overall Program Schedule at-a-Glance--

Saturday, June 21, 2014

7:30 AM – 1:00 PM	On-Site Registration	(Room 202)
8:30 AM – 9:00 AM	Conference Opening	(Room 202)
9:00 AM – 10:30 AM	Session I (Plenary)	(Room 202)
Session Title: <i>Plenary Session (Keynote and Invited Guest Speakers)-</i>		
10:40 AM – 12:20 Noon	Session II	(Room 202)
Session Title: <i>Session Title: Earthquake Preparedness, Disaster Relief, and Infrastructure Safety in Nepal</i> (5 Presentations; 20 minutes each)		
12:20 PM- 1:30 PM	Luncheon	(Room 202)
1:30 AM –3:10 APM	Session III	(Room 202)
Session Title: <i>Education, Engineering, and Technologies as Related to Nepal and Developing Countries</i> (5 Presentations; 20 minutes each)		
3:20 PM –4:40 PM	Technical Session IV	(Room 202)
Session Title: <i>Recent Advances in Engineering and Sciences</i> (4 Presentations; 20 minutes each)		
4:40 PM – 6:00 PM	ASNEng Annual General Membership and Board of Directors Meeting (Room 202)	
6:00 PM – 7:30 PM	ASU Chandler Innovation Center Visit	(249 E. Chicago Street, Chandler, AZ)
8:00 PM – 10:00 PM	Networking Dinner Program	(Location: TBA)

Sunday, June 22, 2012

9:00 AM - 12:00 Noon	Joint Nepal –U.S. Nepali Engineering & Scientific Community Discussion Forum (Venue: Meeting room, J.A. Wrigley Global Institute of Sustainability, ASU, Tempe, AZ)	
9:00 AM - 12:00 Noon	Grand Canyon, Sedona, Flagstaff, etc.. (for those interested). Conference Closure	

[Please see the following pages for details of the Program]

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[Detail Program Schedule](#)
(Subject to change)

Saturday, June 21, 2014

Registration/Breakfast 7:30 AM

Conference Opening 8:30 AM – 9:00 AM

Conference Welcome and Organization Introduction –

by **Rajendra K. Shrestha, Ph.D.** Conference General Co-Chair and President, American Society of Nepalese Engineers (ASNEng); and **Amod Pokhrel, Ph.D.**, Conference General Co-Chair and President, Computer Association of Nepal-USA (CAN-USA).

Conference Program Overview –

by **Ramesh B. Malla, Ph.D.**, Conference Technical Co-Chair and Founding President, ASNEng; and **Pradeep Khanal**, Conference Technical Co-Chair and Vice President, CAN-USA.

Local Organizing Committee Welcome –

by **Achyut Shrestha**, Chair, Local Conference Organizing Committee and Member, Board of Directors, ASNEng.

Session I (PLENARY) 9:00 AM – 10:30 AM (Room 202)

Session Title: *Plenary Session (Keynote and Invited Guest Speakers and Presentations)*

Session Chairs: **Ramesh B. Malla, Ph.D.**, Founding President, ASNEng; University of Connecticut, Storrs, CT; and **Nalini Chhetri, Ph.D.**, Arizona State University, Tempe, AZ.

Invited Keynote:

"Role of Engineering, Science and Technology in Building a Safer and Sustainable Society in Nepal" by **Bharat Raj Pahari, Ph.D.**, Dean, Institute of Engineering, Pulchowk, Lalitpur, Nepal

"Global energy situation and future scenarios in developing countries" by **Gary Dirks, Ph.D.**, Director, Julie Ann Wrigley Global Institute of Sustainability, Arizona State University, Tempe, AZ

Invited Guest:

"Solar Photovoltaics: Vocational Training Tool for Trainers and Technicians" by **Govindasamy Tamizhmani, Ph.D.**, Director of Photovoltaic Reliability laboratory, Arizona State University, and the president of TUV Rheinland PTL, Tempe, AZ

Break

10:30 AM – 10:40 AM

Session II

10:40 AM – 12:20 Noon

(Room 202)

Session Title: *Earthquake Preparedness, Disaster Relief, and Infrastructure Safety in Nepal*
Session Chairs: *Ananta Baidya, P.E.*, San Diego, CA; and *Netra Chhetri, Ph.D.*, Arizona State University, Tempe, AZ

10:40 AM – 11:00 AM

"Overview of the Joint ANMF/ASNEngr/CAN-USA Initiative on Earthquake Preparedness and Disaster Relief in Nepal" by **Ramesh B. Malla, Ph.D.**, Founding President, American Society of Nepalese Engineers (ASNEngr) and Chair, Committee on Joint ANMF/ASNEngr/CAN-USA Initiative on Earthquake Preparedness and Disaster Relief in Nepal; University of Connecticut, Storrs, CT, USA.

11:00 AM – 11:20 AM

"Some Proposals for Planning Regulations for Earthquake Resilient Urban Development in Nepal" by **Ambika P. Adhikari, Dr. Des., AICP**, Arizona State University, Tempe, AZ, USA; and **Kanhaiya Kayastha, S.E., FASCE.**, Los Angeles, CA, USA.

11:20 AM – 11:40 AM

"Disaster Preparedness: Get A Kit. Make A Plan. Be Informed" by **Siru Prasai, M.B.B.S, MS, MPH**, Maricopa County Department of Public Health, Phoenix, AZ, USA.

11:40 AM – 12:00 Noon

"Compliance of National Building Code – Necessity for Disaster Resilient Kathmandu Valley: A case study of application of Electronic - Building Permit System (E-BPS) in Kathmandu Metropolitan City" by **Naresh Giri**, UNDP, Kathmandu, Nepal.

12:00 PM – 12:20 AM

"A need for focus on safety in the planning, development, design, construction, and maintenance of Nepal's highways", by **Bharat Kandel, P.E.**, Department of Transportation, Mesa, AZ, USA.

Lunch Break (provided) 12:20 PM -1:30 PM (Room 202)

Technical Session III 1:30 PM – 3:10 PM (Room 202)

Session Title: *Engineering, Development, and Education as Related to Nepal and Developing Countries*

Session Chairs: *Ambika Adhikari, Dr. Des., AICP*, Arizona State University, Tempe, AZ; and *Pradeep Khanal*, Intel Corp., Santa Clara, CA, USA.

1:30 PM – 1:50 PM

"Electric Products and Services for Rural Nepal" by *Nathan Johnson, Ph.D.*, Arizona State University, Tempe, AZ, USA.

1:50 PM – 2:10 PM

"Leveraging diaspora for desired social outcomes in Nepal" by *Nalini Chhetri, Ph.D.*, Arizona State University, Tempe, AZ, USA.

2:10 PM – 2:30 PM

"The Humanitarian Engineering Degree Program at ASU" by *Brad Rogers, Ph.D. and Mark Henderson, Ph.D.*, Arizona State University, Tempe, AZ, USA.

2:30 PM – 2:50 PM

"What explains the recent surge of apple orchards in Nepal's Mustang district?" by *Netra Chhetri, Ph.D.*, Arizona State University, Tempe, AZ, USA.

2:50 PM – 3:10 PM

"Involvement Nepal, Pre/Post Retirement" by *Ananta Ram Baidya, P.E.*, San Diego, CA, USA.

Break 3:10 PM – 3:20 PM

Technical Session IV 3:20 PM – 4:40 PM (Room 202)

Session Title: *Recent Advances in Engineering and Sciences*

Session Chairs: *Achyut Shrestha*, Apollo Group, Inc., Phoenix, AZ; and *Mahendra Poudyal*, Irving, TX

3:20 PM – 3:40 PM

"Renewable Energy Technologies for Developing World" by *Lek Acharya*, Sun Electronics, Phoenix, AZ, USA.

3:40 PM - 4:00 PM

"Information Technology" by *Mithun Bista*, Occidental Fire & Casualty, Scottsdale, AZ, USA.

4:00 PM – 4:20 PM

"Residential water pump operation and monitoring in Smart phone" by *Achyut Shrestha*, Apollo Group, Inc., Phoenix, AZ, USA.

4:20 PM – 4:40 PM

"Structural Analysis and Design of a Habitat Concept on the Moon" by **Ramesh B. Malla, Ph.D. and Kevin Brown**, University of Connecticut, Storrs, CT, U.S.A.

ASNEng General Membership Meeting. 4:50 PM – 6:00 PM (Room 202)
Annual General Membership Meeting of the American Society of Nepalese Engineers (ASNEng)

Chandler Innovation Center Visit 6:00 PM – 7:30 PM (Off campus)
ASU Innovation Hub /Tech Center. Address: 249 E. Chicago Street, Chandler, AZ

Networking Mixer (includes dinner) 8:00 PM – 10:00 PM (Location: TBA)

Sunday, June 22, 2012

Special Forum: 9:00 AM - 12:00 Noon
(Venue: Wrigley Hall, Room: 323;, J.A. Wrigley Global Institute of Sustainability, ASU, Tempe, AZ)
Session Title: Joint Nepal –U.S. Nepali Engineering & Scientific Community Discussion Forum

Conference Closure 12:00 Noon

Site Seeing Tour Departure time: 9:00 AM
Locations: Grand Canyon, Sedona, Flagstaff, etc. (for those interested).

Conference Organizing Committees

General Chairs:

Rajendra K. Shrestha, Ph.D. (*President, ASNEng*)
ConocoPhillips Company, Houston, TX (E-mail: RShrestha1234@yahoo.com)
Amod K. Pokhrel, Ph.D. (*President, CAN-USA*)
University of California, Berkeley, CA (E-mail: amodpokhrel@gmail.com)

Technical Chairs:

Ramesh B. Malla, Ph.D. (*Founding President, ASNEng*)
University of Connecticut, Storrs, CT (E-mail: MallaR@engr.uconn.edu)
Pradeep Khanal (*Vice President, CAN-USA*)
Intel Corp., Santa Clara, CA (E-mail: PradeepKhanal@gmail.com)

Local Committee Chair

Achyut Shrestha (*Member, Board of Directors, ASNEng*)
Phoenix, AZ (E-mail: LocalCommittee@ASNEng.org)

Committees:

Steering Committee

Baikuntha Adhikari
Rabin Bhattarai, Ph.D.
Jagannath Ghimire, P.E.
Samana Ghimire
Puja Joshi
Pradeep Khanal (*Technical Co-Chair*)
Ramesh B. Malla, Ph.D. (*Technical Co-Chair*)
Sagan Onta, P.E.
Amod Pokhrel, Ph.D. (*General Co-Chair*)
Bineet Sharma
Achyut Shrestha (*Local Chair*)
Rajendra Shrestha, Ph.D. (*General Co-Chair*)
Janka Thapa, P.E.
Binod Tiwari, Ph.D., P.E.

Technical Committee

Ambika Adhikari, Ph.D.
Ananta Baidya, P.E.
Rabin Bhattarai, Ph.D.
Laxman Devkota, Ph.D.
Niresh Dhungana
Sanjaya Gajurel, Ph.D.
Jagannath Ghimire, P.E.
Samana Ghimire
Puja Joshi
Upendra Karna, D. Eng., P.E.
Kanhaiya Kayastha, P.E., S.E.
Pradeep Khanal (*Technical Co-Chair*)
Ramesh B. Malla, Ph.D. (*Technical Co-Chair*)
Sagar Onta, P.E.
Amod Pokhrel, Ph.D. (*General Co-Chair*)
Bineet Sharma

Technical Committee (Cont'd..)

Achyut Shrestha (*Local Committee Chair*)
Rajendra Shrestha, Ph.D. (*General Co-Chair*)
Janak Thapa, P.E.
Binod Tiwari, Ph.D., P.E.

Local Committee

Lekhnath Acharya
Ambika Adhikari, Ph.D.
Baikuntha Adhikari
Mithun Bista
Satya Chataut, P.E.
Nalini Chhetri, Ph.D.
Netra Chhetri, Ph.D.
Laxman Devkota, Ph.D.
Niresh Dhungana
Dilli Gurung
Shashi Gyawali
Bharat Kandel, P.E.
Pradeep Karna, P.E.
Sudip Koirala, Ph.D.
Bishu Malla
Sameer Pandey, P.E.
Arjun Poudel
Surya Poudel, Ph.D. Candidate
Sajib Prajapati
Upendra Puri
Rohini Sharma, SME Distinguished
Achyut Shrestha (*Chair*)
Gajendra Shrestha, P.E.
Milan Shrestha, Ph.D.
Samridhi Shrestha, Ph.D.
Yogendra Upreti
Bikash Vaidya

American Society of Nepalese Engineers (ASNEngr) - a non-profit organization established in September 2007 with IRS 501(c)(3) tax exempt status – aims at providing a common platform for people of Nepalese background and their friends, in engineering and closely related scientific and technical areas to come together, exchange ideas, and support each other for their and the larger society’s common good and benefits. It operates for engineering, scientific and technological research and educational purposes. The Society also strives at promoting engineering, scientific, and technological advancement in Nepal. The Membership application form and detailed information on ASNEngr and updates on its recent activities can be found at <http://www.ASNEngr.org>.

Computer Association of Nepal-USA (CAN-USA) is an American organization dedicated to the professional development of its members and technological progress of Nepal. It is a tax exempt 501(c)(3) non-profit organization with members throughout the United States. The organization continues to utilize the creativity and talent of its members and the broader American community to develop technology-rich solutions that address some of Nepal's challenges. Please visit <http://www.can-usa.org/> for more information.

Conference Websites

*For more information on the conference, please visit the following websites:
www.ASNEngr.org (“Annual Conferences and Meetings”) and
www.CAN-USA.org (“2014 Joint Conference”)*
