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Program:

“Numerical Simulation of two-phase turbulent flows”

Presented by: Bamdad Lessani

Thursday, February 18th, 2016

SDSM&T, Classroom Building, Room 109. 12-1 PM

PLEASE BRING YOUR OWN LUNCH, NO FOOD SERVICE IN BLDG

Bamdad Lessani joined the ME department of SDSM&T in August 2014. He received his Ph.D. from Free University Brussels (Vrije Universiteit Brussel) in 2003, after which he started a two-year post-doc at Universite catholique de Louvain, Belgium. He worked as an Assistant Professor at Tehran Polytechnic University from 2005 to 2011. Prior to joining SDSM&T, he was a visiting professor at University of Toronto serving as a sessional lecturer, and having collaboration with industrial partners on research projects on reliability of hydraulic systems. His research interests include computational fluid dynamics (CFD), turbulence modeling, large-eddy and direct numerical simulations (LES/DNS) of turbulent flows. He has been involved in numerical algorithm development for CFD solvers, and the applications of those algorithms to detailed analysis of unsteady turbulent flow problems.



President’s Message

As I am typing this I realized that Groundhog Day is this month which basically claims that we can somehow determine if we will have 6 more weeks of winter weather based on a groundhogs ability to see his own shadow; who comes up with this stuff? Regardless if the groundhog sees his shadow or not, I am looking forward to spring as I have some personal projects that require warm weather.

With regard to ASHRAE and it being February, I must thank all who attended the 2016 Electro-Technology Expo on Thursday, January 21, 2016 and sat in on the two distinguished lecturer programs. Though the presentations were rather technical in nature as compared to other programs at the venue, my hope is that everyone was able to benefit in the information presented. In the future, it would be nice to hear what you (the membership of the Black Hills Area Chapter of ASHRAE) would like to see for programs so we can adjust the programs accordingly.

On a final note, we are now selling raffle tickets (1 for \$5 and 5 for \$20) for a chance to win a 39” Vizio E-Series TV; the drawing will occur at our May 26, 2016 Distinguished Lecturer Program and all proceeds will go to research promotion.

David Dowling, President, Black Hills Chapter of ASHRAE



Chapter Programs Schedule

Below is a listing of this year's programs. Please call or e-mail suggestions for programs as indicated below:

September 17, 2015	Light Weight Construction and the Modern Fire Environment	Tim Behlings
October 22, 2015	Pertinent Building Codes for the Mechanical/Electrical Engineer	Jeff Larus
November 19, 2015	Commercial High Quality Water systems	Brian Soderholm
December 17, 2015	BH Business Development Center Tour/Happy Hour	TBD
January 21, 2016	Electro Technology Expo	Drury B. Crawley, Ph.D.
February 18, 2016	Numerical simulation of two-phase turbulent flows	Bamdad Lessani, Ph.D.
March 17, 2016	Intelligent Equipment	Dan Sullivan
April 21, 2016	ASHRAE Webcast: Making Net Zero Net Positive	Multiple
May 19, 2016	What's Your EUI?	Douglas F. Zents

Send program suggestions to: Mike Austin
(P) 605-348-2033
(F) 605-348-1543
programs@blackhillsashrae.org

Membership

If anyone knows of someone who might be interested in becoming a member of ASHRAE, contact Mike Malone at:
membershippromotion@blackhillsashrae.org

CHAPTER MAY NOT ACT FOR THE SOCIETY

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

AN INTERNATIONAL ORGANIZATION

Black Hills ASHRAE: Raffle Ticket Entry

Name _____

Address _____

Phone _____

Black Hills Area Chapter of ASHRAE

Vizio 39" E-Series smart TV Raffle

Drawing Date: 5/26/2016

Proceeds: to benefit ASHRAE Research

Donation: 1 for \$5.00 or 5 for \$20.00

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