

CNAS Public Lecture Series – Spring 2014

February 11, 2014 7:30 PM – 8:30 PM **TEMPLE 003**

Mistaken Identity: Sikhs in America

Speaker: Rajinder Jutla, Professor, Department of Geography, Geology, and Planning



Although Sikhism ranks as the fifth largest religion worldwide, many Americans are ignorant about Sikhs, they mistake them for Arabs and Muslims. This presentation will provide an overview of Sikhism in terms of its historical evolution, teachings, practices, and some of the problems faced by the community.

March 4, 2014 7:30 PM – 8:30 PM **TEMPLE 002**

Development of Nanomaterials for Applications in Energy Technology

Speaker: Kartik Ghosh, Professor, Department of Physics, Astronomy and Materials Science

In the 21st century one of the major problems the world faces is the scarcity of available energy resources, mainly in the form of fossil fuels. Fossil fuels are non-renewable energy sources and not environmentally friendly. Hence, finding renewable energy is an alternative solution to this global issue. Renewable energies appear in many commonly known forms such as solar, wind, and running water, and among them solar and hydro thermal energy show the greatest potential.

New concepts for solar and photo-catalytic cells with improved efficiency will require novel nanostructured photo-active semiconducting materials. Currently, we are developing high photo-active nanostructures of metal oxide-based materials, like zinc oxide and copper oxide. Our research activities address basic issues on growth and characterization of nanostructures and fabrication of devices using these nanomaterials. In this presentation, I will discuss how nanostructured materials are important in applications to energy technology, in particular to solar energy. I will also share some of our recent results on oxide-based nanostructures that can be used for future solar cell technology.



April 8, 2014 7:30 PM – 8:30 PM **TEMPLE 002**

Homelessness

Speaker: Paul Rollinson, Professor, Department of Geography, Geology, and Planning



The problem of homelessness in America today continues to inflict misery on those whom suffer from the problem and vex policy makers and service providers alike. I have spent a large part of my career looking at the problem as a concerned citizen, urban geographer and urban planner. In this presentation I shall attempt to share a broad understanding of the problem, what the research tells us about the problem; and where we might search for answers. I shall briefly discuss the history of homelessness in America, the dynamics of the problem, and who are the contemporary homeless. Secondly, I shall discuss the problems of counting and collecting data on this population. Third, I shall consider the geography of the

homeless and some examples of the conflicts that arise between desiring to help the homeless and not impacting economic development for example, i.e. the planning issues. Lastly, I shall make some recommendations for future action

PARKING WILL BE AVAILABLE IN LOT 4, SOUTH OF TEMPLE HALL

Sikhs in America:

Sacred ground: pluralism, prejudice, and the promise of America by Eboo Patel.
0807077488
204.5 M

American grace: how religion divides and unites us by Robert D. Putnam, David E. Campbell with the assistance of Shaylyn Romney Garrett
9781416566717
201.7097 P

Religions of the world: an introduction to culture and meaning by Lawrence E. Sullivan, general editor.
9780800698799
200 R

Beyond tolerance: searching for interfaith understanding in America by Gustav Niebuhr.
9780670019564
201.5 N

My neighbor's faith: stories of interreligious encounter, growth, and transformation by edited by Jennifer Howe Peace, Or N. Rose, and Gregory Mobley.
9781570759581
201.5 M

Development of Nanomaterials for Applications in Energy Technology:

The dance of molecules: how nanotechnology is changing our lives by Ted Sargent.
9781560258094
620.5 S

Radical abundance: how a revolution in nanotechnology will change civilization by K. Eric Drexler.
9781610391139
303.483 D

Mad like Tesla: underdog inventors and the relentless pursuit of clean energy by Tyler Hamilton.
9781770410084
333.794 H

Before the lights go out: conquering the energy crisis before it conquers us by Maggie Koerth-Baker.

Homelessness:

Citizen Hobo: How a Century of Homelessness Shaped America by Todd DePastino
305.568 D
0226143783

Citizens Without Shelter: Homelessness, Democracy, and Political Exclusion by Leoard C. Feldman
362.5 F
0801441242

Almost Home: Helping Kinds Move from Homelessness to Hope by Kevin Ryan and Tina Kelley
362.77 R
9781118230473

The American Way of Poverty: How the Other Half Still Lives by Sasha Abramsky
362.509 A
9781568587264

From Poverty to Power: How Active Citizens and Effective States Can Change the World by Duncan Green
303.61 G
9781853397417