

Professor Dwivedi Memorial Lecture



“The Birth of Mathematics in India”

A talk by

Dr. Subhash Kak

Regents Professor

School of Electrical and Computer Engineering
Oklahoma State University in Stillwater, U.S.A.

Date: Friday, April 29, 2016

Time: 3:00 p.m. – 4:00 p.m.

Location: 1400 de Maisonneuve Blvd. West, Montreal
J.W. McConnell Building/Library Bldg.
Room S-LB 646

The talk will be followed by a small reception in room S-LB 921.04

Please RSVP to g.ford@concordia.ca

Subhash Kak is Regents Professor in the School of Electrical and Computer Engineering at Oklahoma State University in Stillwater. Before this, he was with Louisiana State University, Baton Rouge, where he served as Donald C. and Elaine T. Delaune Distinguished Professor of Electrical and Computer Engineering.

His research has spanned the fields of archaeoastronomy, information theory, neural networks, and quantum information. His work has received considerable attention in the media and it has been showcased on the Discovery and History channels, PBS, Dutch Public TV OHM, and in various documentaries. He served as the editor for the Indian Subcontinent Area for a UNESCO project on archaeoastronomy sites around the world.

He is the author of over 300 research papers, and 20 books which include "The Architecture of Knowledge".

Abstract: This talk will present an overview of the emergence of mathematics in India beginning with the representation of astronomical knowledge in altar ritual. It will also describe early Indian logic and linguistics that culminated in the great grammar of Sanskrit by Panini in 4,000 algebraic rules. The lecture will also go over scientific texts that make a distinction between associational and transcendental knowledge.

