Department of Chemistry, Panjab University, Chandigarh
Cordially invites you to the

7th PRAN NATH VOHRA LECTURE
by

Professor R. J. Butcher
Department of Chemistry, Howard University,
Washington DC 20059, USA

Title of Talk: Conformational and pH Control of Spin State in Spin-Crossover Iron(II)
and Iron(III) Complexes

Date & Time: May 01, 2019 (Wednesday) at 11:00 AM
Venue: Seminar Hall, Department of Chemistry, P.U. Chandigarh

Dr. Parvinder Singh (Controller of Examination, P.U. Chandigarh) will preside over the function

Prof. K.N. Singh	**Dr. G.R. Chaudhary**
Chairman	**Convener**
	(Pran Nath Vohra Trust Fund)

R. J. Butcher is Professor of Chemistry in Howard University, Washington DC, USA since 1977.

He obtained his PhD degree in Inorganic Chemistry and X-ray Crystallography from University of Canterbury, Christchurch, New Zealand in 1974 followed by Post-Doctoral studies at Chemistry Department, Georgetown University, Washington D.C. He was NASA Summer Faculty Fellow at Goddard Space Flight Center, summer from 1987-1988. He was Co-Editor, Acta Crystallographica E: Data Reports and Editor of the Special Issue of Structural Chemistry devoted to Structural Science in India (2007). He is the recipient of various awards including Fellow of the Royal Society of Chemists (FRSC), 2018, Sigma Xi Visitors Medal for Outstanding Research at the University of Virginia in 1977. Prof. Ray J. Butcher is a leading researcher working on inorganic clusters and pharmacological active compounds.

Title of Talk: Conformational and pH Control of Spin State in Spin-Crossover Iron(II) and Iron(III) Complexes

Abstract:

Using a very versatile series of tripodal ligands based both tris(2-aminoethyl)amine and various substituted carboxyimidazole derivatives, a series of Fe, Co, and Mn complexes have been synthesized and characterized by a wide range of techniques and which show a wide variety of physical behaviours including pH control of spin state, seven coordination, proton coupled electron transfer (PCET), and supramolecular systems.