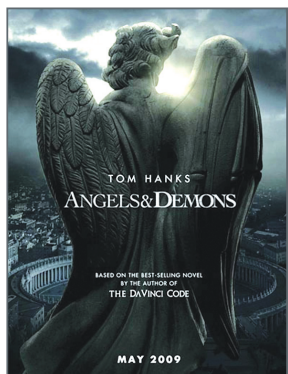


SCIENCE IN THE CITY

McMaster University, in partnership with The Hamilton Spectator, presents a free public lecture that will explore the science behind the cinema



Physicists at CERN: *Angels or Demons?*



Hollywood's record on getting science right has been spotty over the years, ranging from the reasonably careful treatment of extra-terrestrial life in the movie *Contact*, to *Star Wars'* perpetually annoying swooshing sounds of passing rockets in what should be the soundless void of space.

This year's science-related blockbuster, *Angels and Demons* combines anti-matter and intrigue at the Vatican and CERN, the European laboratory for particle physics.

This talk – by McMaster physicist **Cliff Burgess** – will provide a scorecard about what the movie gets right and wrong about physics at CERN and elsewhere, with stops along the way to describe the real-life frontiers of fundamental science that will soon be explored by the Large Hadron Collider at CERN.

Professor Burgess spent last year as a scientific associate at CERN and will help the audience separate the science from the sensational, and better understand the exciting work that is taking place at this amazing facility.

TUESDAY, MAY 19, 7:00 pm
HAMILTON SPECTATOR AUDITORIUM
44 Frid St., Hamilton

FREE LECTURE
public
welcome!

Doors open at 6:30 pm. To reserve your seat call: **905-525-9140** ext. **24934** or, email: **sciencecity@mcmaster.ca**

■ Professor Cliff Burgess

was born in Manitoba and raised in various places around Western Canada, Ontario



and Europe. He received his B.Sc., with a joint honours in Physics and Applied Math from the University of Waterloo, and continued for doctoral work in Theoretical Particle Physics at the University of Texas in Austin under the supervision of Steven Weinberg. After doing a postdoctoral stint at the Institute for Advanced Study in Princeton, he became a professor at McGill University. He currently has joint appointments as a professor in McMaster University's department of Physics and Astronomy and Associate Member at the Perimeter Institute in Waterloo.

With over 120 published articles, Burgess is one of Canada's most prolific and highly cited particle theorists. He was awarded a Killam Fellowship from the Canada Council for the Arts in 2005 and was elected as a Fellow to the Royal Society of Canada (RSC) in 2008.

His early work was dedicated to string theory, the concept that matter consists of small loops of "string." Much of Professor Burgess' research dealt with high-energy physics – the search for the most elementary building blocks of nature and the forces through which they interact.

Burgess' research interests have since taken a more phenomenological turn and lie at the interface between string theory and lower-energy physics, with a particular emphasis on early universe cosmology.

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<http://www.mcmaster.ca/research/sciencecity/burgess2009.htm>