



**ASX MONTHLY NEWSLETTER**

**#2- AUGUST 2013**

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# STARTALK

ASX WILL BE HOLDING OUR FIRST STAR TALK ON SEPTEMBER 20TH AT 8PM. THE SPEAKER IS DR. CHRIS MATZNER, A UNIVERSITY OF TORONTO ASSOCIATE PROFESSOR WHO WILL BE TELLING US ABOUT THE EXTRAORDINARY BIRTHS AND DEATHS OF STARS. A THEORETICAL ASTROPHYSICIST IN THE DEPARTMENT OF ASTRONOMY AND ASTROPHYSICS, DR. MATZNER HAS RESEARCHED A VARIETY OF TOPICS, INCLUDING GAS DYNAMICS, PROTOSTELLAR DISKS AND BLACK HOLE ACCRETION.

STAR TALKS ARE A SERIES OF BRIEF LECTURES DESIGNED TO BRING EXCITING SCIENCE TO EVERYONE. EACH TALK WILL BE FOLLOWED BY AN OBSERVING NIGHT, WEATHER PERMITTING. THE TALKS ARE HELD ON A MONTHLY BASIS DURING THE SCHOOL SEMESTER. LOOK FORWARD TO HEARING ABOUT PLANETARY MAGNETIC FIELDS FROM DR. SABINE STANLEY, OUR OCTOBER SPEAKER. AN EMAIL WILL CONFIRM THE ROOM NUMBER SOON!



# FIRST TORONTO SCIENCE FESTIVAL SEPT 27-29

THE TORONTO SCIENCE FESTIVAL IS A PUBLIC CELEBRATION OF SCIENCE EXPLORING THE THEME OF "LIFE IN THE UNIVERSE", RUNNING ALL WEEKEND ON SEPTEMBER 27TH, 28TH AND 29TH. COME OUT AND ENJOY EXCITING PANEL DISCUSSIONS, PUBLIC TALKS, PERFORMANCES, OBSERVING SESSIONS, FILMS AND EVEN FOOD! REGISTRATION FOR EVENTS IS OPEN NOW. CHECK OUT THE PROGRAM AND REGISTER HERE:

[HTTP://TSF.UTORONTO.CA/](http://tsf.utoronto.ca/)



# UOFT CLUBS DAY

## SEPTEMBER 4<sup>TH</sup> AND 10<sup>TH</sup>

COME CHECK OUT THE ASX TABLES ON CLUBS DAY!  
ON SEPTEMBER 4, FIND US AT TABLE 5, OR ON  
SEPTEMBER 10 AT TABLE 96. ASK ABOUT EVENTS,  
GIVE SUGGESTIONS, AND MEET SPACE ENTHUSIASTS!



# GASA

THIS MONTH'S GASA TOUR IS ON SEPTEMBER 5TH AT 9:10PM IN MP 102 (60 ST. GEORGE STREET). IN THEIR WORDS: "IN THE LATE 1920S EDWIN HUBBLE DISCOVERED THAT DISTANT GALAXIES WERE RECEDING AWAY FROM US, IMPLYING THAT THE UNIVERSE ITSELF WAS EXPANDING. SEVENTY YEARS LATER IT WAS FOUND THAT THE UNIVERSE IS NOT ONLY GETTING BIGGER, BUT INCREASING IN ITS RATE OF EXPANSION. THE MYSTERIOUS SUBSTANCE BEHIND THIS ACCELERATED EXPANSION HAS BEEN GIVEN THE NAME 'DARK ENERGY', AND ITS DISCOVERY EARNED THREE COSMOLOGISTS THE NOBEL PRIZE IN PHYSICS IN 2011. COME HEAR ABOUT ONE OF THE MOST DIFFICULT PROBLEMS IN MODERN PHYSICS AND HOW A GROUP OF CANADIAN ASTRONOMERS PLAN TO TRY AND TACKLE IT."

HAPPY SEPTEMBER! KEEP AN EYE OUT FOR  
OUR NEXT EMAIL, WHICH WILL NAME A  
LOCATION FOR THE SEPT. 20 STAR TALK.  
AS ALWAYS, WE WELCOME ALL FEEDBACK  
ON OUR NEWSLETTER OR EVENTS.



*"TO CONFINE OUR ATTENTION TO TERRESTRIAL MATTERS WOULD  
BE TO LIMIT THE HUMAN SPIRIT." – STEPHEN HAWKING*