

THE TALKS ARE DESIGNED
FOR THE INTERESTED PUBLIC

THE VIOLENT ORIGIN OF THE EARTH AND MOON

December 18th @ 7:00pm

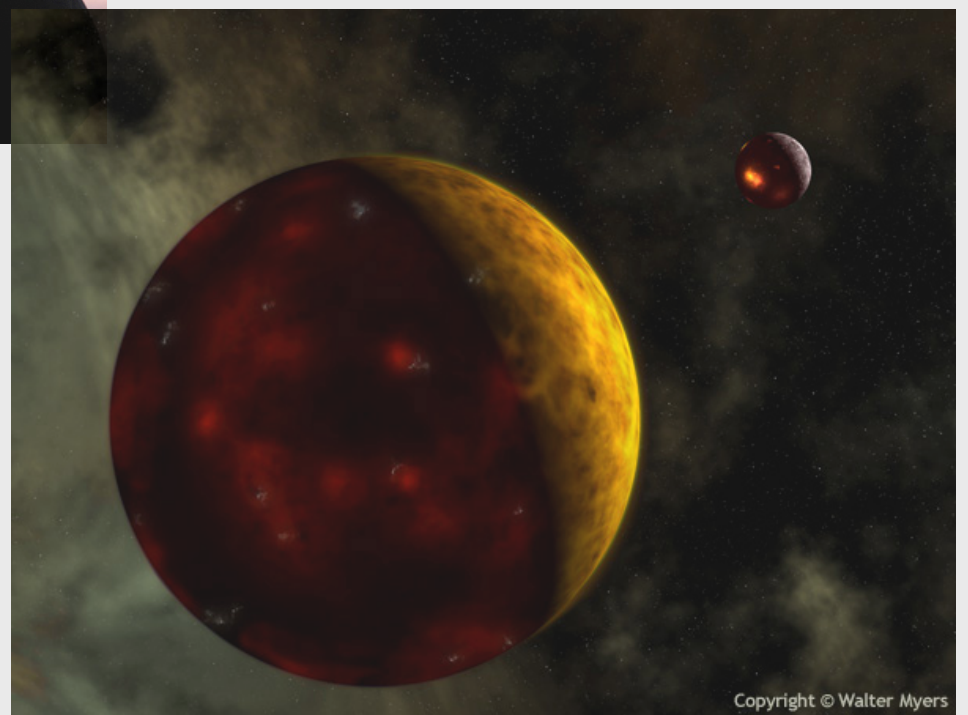
Harvard University, Science Center Hall C
One Oxford Street, Cambridge, MA

SARAH STEWART

Professor of Earth & Planetary Sciences, Harvard University



PROFESSOR SARAH STEWART IS A PLANETARY SCIENTIST WHO SPECIALIZES IN THE STUDY OF COLLISIONS IN THE SOLAR SYSTEM. HER RESEARCH ENCOMPASSES EXPERIMENTAL AND NUMERICAL INVESTIGATIONS OF THE FORMATION AND DESTRUCTION OF PLANETS, PLANETARY GEOLOGY, AND THE PHYSICAL PROPERTIES OF PLANETARY MATERIALS.



THE PHYSICAL PROPERTIES OF OUR PLANET ARE INTRICATELY TIED TO THE SEQUENCE OF GIANT IMPACT EVENTS THAT LED TO THE FORMATION OF THE MOON. THE CANONICAL GIANT IMPACT MODEL FOR LUNAR ORIGIN HAS BEEN CALLED INTO QUESTION BY RECENT GEOCHEMICAL MEASUREMENTS OF LUNAR ROCKS. PROFESSOR STEWART WILL PRESENT A NEW MODEL FOR THE ORIGIN OF THE EARTH AND MOON THAT RECONCILES THE OBSERVATIONS AND HIGHLIGHTS THE IMPORTANCE OF STOCHASTIC EARLY EVENTS IN SHAPING OUR HABITABLE WORLD.

SCIENCE LECTURE

RESEARCH LECTURES FOR NON-SPECIALISTS



HARVARD UNIVERSITY

Faculty of Arts and Sciences, Division of Science

For more information and to be notified about future events,
please contact: science_lectures@fas.harvard.edu

