**Invited Talks and Lectures**

*Life Stories; A Career in Planetology*
Keynote Presentation at EPSC-DPS 2019
Geneva, Switzerland (September 15, 2019)

*Life, Elsewhere in the Universe*
Oahu Country Club
Honolulu, HI (March 14, 2019)

*Planets in Binary Stars*
Institute of Physical Sciences of the National Autonomous University of Mexico (ICF-UNAM)
Cuernavaca, Mexico (February 20, 2019)

*New Advances in the Formation of Terrestrial Planets*
National Institute for Space Research
San Jose Campos, Brazil (October 2, 2018)

*Four Lectures on Exoplanet Formation and Kepler Telescope’s Discoveries*
3rd Astrobiology School at the National Observatory of Brazil
Rio de Janeiro, Brazil (October 1 – 5, 2019)

*Planet Formation: The Gateway to Astrobiology*
Keynote talk at the 3rd AbGradE Symposium
Berlin, Germany (September 22 – 24, 2018)

*From Dust to Planets*
Summer School on the Formation and Evolution of Stars and Planets, the Early Solar System, and the Emergence of Life
Vienna, Austria (August 17 – 18, 2018)

*Modern Simulations of Terrestrial Planet Formation and the Origin of Earth’s Water*
Leibniz Institute for Astrophysics
Potsdam, Germany (June 7, 2018)

*Modern Simulations of Terrestrial Planet Formation and the Origin of Earth’s Water*
University of Groningen
Groningen, Netherlands (June 4, 2018)

*Modern Simulations of Terrestrial Planet Formation and the Origin of Earth’s Water*
National Astronomical Observatory of Japan
Tokyo, Japan (May 18, 2018)

*Modern Simulations of the Formation of Terrestrial Planets and Origin of Earth’s Water*
Yuval Ne’eman Distinguish Lectures in Geophysics, Atmospheric Physics and Space Science
University of Tel Aviv, Israel (April 16, 2018)
Kepler and the Discovery of Worlds with Multiple Suns
Yuval Ne’eman Distinguish Lectures in Geophysics, Atmospheric Physics and Space Science
University of Tel Aviv, Israel (April 15, 2018)

How to Hunt for New Earths?
Givatayim Observatory
Tel Aviv, Israel (April 15, 2018)

Kepler's Discovery of New Habitable Worlds
Hebrew University of Jerusalem
Jerusalem, Israel (April 12, 2018)

The Unifying Power of Astrobiology
Keynote talk at the Astrobiology Conference
Hebrew University of Jerusalem, Israel (April 10, 2018)

Kepler's Discovery of New Habitable Worlds
Yuval Ne’eman Distinguish Lectures in Geophysics, Atmospheric Physics and Space Science
University of Tel Aviv, Israel (April 9, 2018)

Kepler's Discovery of New Habitable Worlds
New York University in Abu Dhabi
Abu Dhabi, United Arab Emirates (February 21, 2018)

Life, elsewhere in the Universe
Christ Church Uniting
Kailua, HI (January 7, 2018)

The Unifying Power of Astrobiology
Astrobiology Conference
Coyhaique, Chile (November 27 – Dec 1, 2017)

Formation and Evolution of Planetary Systems
Training School on Astrobiology
Santiago, Chile (November 24 – 25, 2017)

The Fall of the Nice Model
Institute for Astronomy, University of Hawaii-Manoa
Honolulu, HI (October 3, 2017)

Tatooine: More Science, Less Fiction
Miliilani Public Library (Part of the University of Hawaii-Manoa Cultural Extension Program)
Mililani, HI (July 8, 2017)
Formation of Terrestrial Planet in the Solar System
The 9th Humboldt Colloquium on Celestial Mechanics
Bad Hofgastein, Austria (March 20 – 24, 2017)

The Unifying Power of Research on Life
Search for Life: From Early Earth to Exoplanets
Qui Nhon, Vietnam (December 11 – 16, 2016)

Formation of Solar System
Training School on Basic Astrobiology
Qui Nhon, Vietnam (December 9 – 11, 2016)

Kepler Habitable Zone Planets
Hawaii Institute for Geophysics and Planetology
Honolulu, HI (November 14, 2016)

Kepler Habitable Zone Planets
Windward Community College
Kaneohe, HI (September 22, 2016)

Terrestrial Planet Formation in the Solar System and Beyond
Department of Physics and Astronomy, West Chester University
West Chester, PA (September 16, 2016)

Kepler’s Discovery of Worlds with Multiple Suns
Department of Terrestrial Magnetism, Carnegie Institution of Washington
Washington, DC (September 15, 2016)

Circumbinary Planets: New Challenges of Exoplanetary Astronomy
AOGS (Asia Oceania Geosciences Society)
Beijing, China (July 31 – August 5, 2016)

Giant Extrasolar Planets in the Habitable Zone
AOGS (Asia Oceania Geosciences Society)
Beijing, China (July 31 – August 5, 2016)

Habitability and Habitable Zone
Workshop on Extrasolar Planets: Formation and Dynamics
Bad Honnef, Germany (June 26 – July 1, 2016)

Planets and Binary Star Systems
Workshop on Extrasolar Planets: Formation and Dynamics
Bad Honnef, Germany (June 26 – July 1, 2016)
Iranian National Observatory (INO340)
Annual Meeting of the American Association of Advancement of Science
Washington, DC (February 13, 2016)

New Models of Terrestrial Planet Formation in Solar System
Institute for Astronomy, Dept. Geophysics & Atmospheric Sciences, University of Sao Paulo
Sao Paulo, Brazil (November 19, 2015)

Main Belt Comets: A new Class of Icy Asteroids
Institute for Astronomy, Dept. Geophysics & Atmospheric Sciences, University of Sao Paulo
Sao Paulo, Brazil (November 16, 2015)

Habitability in Solar System and Beyond
2nd COSPAR Symposium
Iguacu Falls, Brazil (November 9 – 13, 2015)

Tatooine: From Science Fiction to Reality
Hawaiicon 2015
Kona, Hawaii (September 13, 2015)

Extrasolar Planets: Two Decades of Mysteries, Challenges, and Triumphs
Department of Physics and Astronomy, West Chester University
West Chester, Pennsylvania, (August 27, 2015)

Formation of Terrestrial Planets in the Inner Solar System
Department of Astronomy, University of Tel Aviv
Tel Aviv, Israel (June 8, 2015)

Planets and Binary Stars Systems
Department of Physics & Astronomy, San Francisco State University
San Francisco, California (March 24, 2015)

Terrestrial Planet Formation in the Context of Giant Planet Migration
Department of Physics & Astronomy, San Francisco State University
San Francisco, California (March 23, 2015)

Terrestrial Planet Formation in the Context of Giant Planet Migration
Department of Earth, Planetary, and Space Science, UCLA
Los Angeles, California, (March 12, 2015)

Terrestrial Planet Formation in the Context of Giant Planet Migration
Queen Mary College
London, UK (February 5, 2015)
Terrestrial Planet Formation in the Context of Giant Planet Migration
Department of Applied Mathematics and Theoretical Physics, University of Cambridge
Cambridge, UK (February 2, 2015)

Formation and Evolution of Circumbinary Planets
Institute of Astronomy, University of Cambridge,
Cambridge, UK (February 4, 2015)

Terrestrial Planet Formation and the Origin of Mars
Max Planck Institute for Astronomy
Heidelberg, Germany (January 16, 2015)

Formation and Evolution of Circumbinary Planets
Institute for Theoretical Astrophysics, University of Heidelberg
Heidelberg, Germany (January 12, 2015)

Formation and Evolution of Circumbinary Planets
Department of Astronomy, University of Goettingen
Goettingen, Germany (December 4, 2014)

Terrestrial Planet Formation and the Origin of Mars
Department of Astronomy, University of Goettingen
Goettingen, Germany (December 4, 2014)

Formation and Evolution of Circumbinary Planets
Department of Astronomy, University of Jena
Jena, Germany (December 4, 2014)

Terrestrial Planet Formation and the Origin of Mars
Department of Astronomy, University of Jena
Jena, Germany (December 4, 2014)

Lecture Series on Terrestrial Planet Formation, Habitability, and Planets in Binary Stars
Summer course on Exoplanets
La Palma, Canary Islands (September 24 – October 2, 2014)

Formation and Evolution of Planets in and Around Binary Stars Systems
Living Together: Planets, Host Stars, and Binaries
Litomyšl, Czech Republic (September 8 – 12, 2014)

Terrestrial Planet Formation and the Origin of Mars
Department of Physics and Astronomy, University of Preston
Preston, England (August 5, 2014)
Terrestrial Planet Formation and the Origin of Mars
Hawaii Institute for Geology and Planetology, University of Hawaii
Honolulu, Hawaii (May 7, 2014)

Terrestrial Planet Formation and the Origin of Mars
NASA Goddard Space Center
Greenbelt, Maryland (March 7, 2014)

Terrestrial Planet Formation and the Origin of Mars
Department of Astronomy, University of Maryland
College Park, Maryland (March 6, 2014)

Terrestrial Planet Formation and the Origin of Mars
University of Missouri-Columbia
Columbia, Missouri (March 4, 2014)

Science with Kepler
University of Missouri-Columbia
Columbia, Missouri (March 3, 2014)

Terrestrial Planet Formation and the Origin of Mars
Department of Terrestrial Magnetism, Carnegie Institution of Washington
Washington, DC (February 26, 2014)

A New Model For the Formation of Terrestrial Planets and the Origin of Mars
Institute for Astronomy, University of Hawaii
Honolulu, Hawaii (February 5, 2014)

Terrestrial/Habitable Planet Formation in Solar System and Exoplanets
DLR, Berlin (December 16 – 19, 2013)

Dynamics of Planet Formation in Binaries and Outside
Exoplanets and Disks: Their Formation and Diversity
Kona, Hawaii (December 8 – 12, 2013)

Habitability and Habitable Zone
The 1st COSPAR Symposium
Bangkok, Thailand (November 11 – 15, 2013)

Science With Kepler
International Occultation Timing Association
Tehran, Iran (remote presentation via Skype, October 24 2013)
**New Model of the Formation of Terrestrial Planets in Our Solar System**  
Institute for Astronomy, University of Vienna  
Vienna, Austria (October 14, 2013)

**Science With Kepler**  
Annual Meeting of the German Astronomical Society  
Tuebingen, Germany (September 24 – 27, 2013)  
Video at [http://timmsrc.uni-tuebingen.de/Player/Player/UT_20130925_002_AG2013_0001](http://timmsrc.uni-tuebingen.de/Player/Player/UT_20130925_002_AG2013_0001)

**New Models of the Terrestrial Planet Formation in Our Solar System**  
Institute for Solar Physics  
Frieburg, Germany (July 25, 2013)

**Habitable Extrasolar Planets: Formation, Observation, and Challenges**  
International Symposium on Planetary Sciences  
Shanghai, China (July 1 – 4, 2013)

**Detecting Earth-Like Planets and Water Origin**  
International Symposium on Planetary Sciences  
Shanghai, China (July 1 – 4, 2013)

**Planets in and Around Binary Stars**  
Paris Observatory  
Paris, France (May 21, 2013)

**A Compound Model for the Origin of Earth’s Water**  
Paris Observatory  
Paris, France (May 21, 2013)

**Lecture Series on Formation of Planetary Systems and Extrasolar Planets**  
UNESP, University Estadual Paulista  
Guaratingueta, Brazil (April 29 – March 3, 2013)

**Planets in and Around Binary Stars**  
Humboldt Foundation  
Hannover, Germany (March 20, 2013)

**Habitable Circumbinary Planets**  
Exoplanets in Multi-body Systems in the Kepler Era  
Aspen, Colorado (February 9 – 16, 2013)

**Formation Mars and Terrestrial Planets**  
University of Tuebingen, Department of Astronomy  
Tuebingen, Germany (January 15, 2013)
Planets in and Around Binary Stars
University of Tuebingen
Tuebingen, Germany (January 15, 2013)

The Quest for Habitable Worlds
University of Tuebingen, Office of International Scholars
Tuebingen, Germany (January 9, 2013)

Planet Detection Using Transit/Eclipse Timing Variation Method
International Occultation and Transit Association
Tehran, Iran (remote presentation via Skype, November 2, 2012)

Planets with Two Stars
Korean Institute for Space Sciences
Daejeon, South Korea (September 3, 2012)

Exoplanets and KMTNet
Korean Institute for Space Sciences
Daejeon, South Korea (September 3, 2012)

The Quest for Habitable Planets
Beijing Planetarium
Beijing, China (August 26, 2012)

Detecting Planets Using Transit Photometry: Current State and Future Prospects
Collaboration Meeting on Antarctic Survey Telescope
LiJiang Yunnan, China (August 16-18, 2012)

Planetesimal Capture by an Evolving Gaseous Giant Planet
Harvard University
Cambridge, Massachusetts (April 23, 2012)

The Quest for Habitable Planets
Astronomy Frontiers Talk
University of Hawaii-Manoa (March 13, 2012)

Habitable Extrasolar Planets: From Theory to Observation
Institute of Astronomy, Geophysics, and Atmospheric Sciences
University of Sao Paulo, Brazil (March 7, 2012)

The Search for Earth-like Planets Outside Our Solar System
Hawaii Space Lecture Series
NASA Pacific Regional Planetary Data Center and Hawaii Institute for Geophysics and Planetology, University of Hawaii-Manoa (January 24, 2012)
Transit Timing Variation Method: A Strong, Successful Technique for Detecting Small Planets
Institute for Astronomy and Space Physics, Ciudad University Buenos Aires, Argentina (October 13, 2011)

Habitable Extrasolar Planets: From Theory To Observations
First Annual Binational Chilean-Argentinian Astronomy Meeting
San Juan, Argentina (October 3-7, 2011)

Detection of Habitable Trojan Planets Using Transit Timing Variation Method
Extreme Solar System II
Jackson Hole, Wyoming (September 11-17, 2011)

Terrestrial Planet Formation and Water Delivery
Workshop on the Origin of Earth’s Water
Iceland (September 4-10, 2011)

Comets and the Origin of Earth’s Water
810th Anniversary of Nasireddin Tusi
Azerbaijan University
Baku, Azerbaijan (June 16-18, 2011)

Extrasolar Planets: Theoretical and Observational Challenges
Qafqaz University
Baku, Azerbaijan (June 15, 2011)

The Effects of Secular Resonances on Terrestrial Planets Formation
8th Humboldt Conference on Celestial Mechanics
Bad Hofgestain, Austria (March 21-26, 2011)

From Planetesimals to Terrestrial Planets: Formation of Habitable Planets
In Binary Star Systems
UNESP, University Estadual Paulista
Guaratingueta, Brazil (August 16, 2010)

Terrestrial Planet Formation Around M stars
Institute for Astronomy, University of Vienna
Vienna, Austria (May 13, 2010)

Origin and Activation of Main Belt Comets
Asian Oceania Geosciences Society (AOGS)
Singapore (August 11-15, 2009)
Dynamical Modeling of the Origin and Activation Mechanism of Main Belt Comets
IAU Symposium 263 (Icy Bodies of Solar System)
Rio De Janeiro, Brazil (August 3-7, 2009)

Implications of Dynamical Stability For The Detection of Super-Earths Via Transit Timing Variation Method
Goldschmidt Conference
Davos, Switzerland (June 22-26, 2009)

Habitable Planet Formation in Binaries
Institute of Astronomy, University of Vienna
Vienna, Austria (June 18, 2009)

Formation of the Planets
Azad University
Tehran, Iran (April 13, 2009)

The Origin of Earth's Water
Institute for Theoretical Physics and Mathematics
Iranian National Observatory
Tehran, Iran (April 12, 2009)

Extrasolar Planets: Challenges Of Modern Planetary Science
University of Tehran
Tehran, Iran (April 11, 2009)

Extrasolar Planets: Challenges Of Modern Planetary Science
Sharif University of Technology
Tehran, Iran (April 8, 2009)

Detection of Super-Earth Planets via the Transit Timing Variation Method
American Geophysical Union
San Francisco, CA (December 15-19, 2008)

Dynamical Constraints on the Origin and Activation Mechanism of Main Belt Comets
Institute for Astronomy, University of Hawaii-Manoa
Honolulu, HI (September 10, 2008)

The Long-Term Stability and Prospects of the Detection of Terrestrial and Habitable Planets in Multi-planet and Multiple Star Extrasolar Planetary Systems
Extrasolar Planets in Multi-Body Systems: Theory and Observations
Torun, Poland (August 25-29, 2008)
Dynamical Constraints on the Origin and Activation Mechanism of Main Belt Comets
Asteroids, Comets, and Meteorites (ACM 2008)
Baltimore, MD (July 13-18, 2008)

Formation of Extrasolar Habitable Planets
Institute for Geophysics and Extraterrestrial Physics, Technical University of Braunschweig
Braunschweig, Germany (July 8, 2008)

The Prospects of Detecting Super-Earth Planets via the Transit Timing Variation Method
Super-Earths Workshop
Nantes, France (June 16-18, 2008)

Prospects of The Detection of Short-Period Terrestrial-Class Objects in the Vicinity of Close-in Giant Planets
AbSciCon 2008
Santa Clara, CA (April 14-17, 2008)

Gas Density/Pressure Enhanced Regions as Favorable Places for the Formation of Planetesimals via Gravitational Instability
JPL Workshop on Planet Formation Processes and the Development of Prebiotic Conditions
Pasadena, CA (March 18-21, 2008)

Formation of Habitable Planets and the Origin of Water and Volatiles
George Mason University
Fairfax, VA (February 17, 2008)

Habitable Planet Formation in Extreme Planetary Systems
IAU Symposium 249: EXOPLANETS: Detection, Formation and Dynamics, Suzhou, China (October 22-26, 2007)

From Dust to Habitable Planets
Planetary Science Institute
Tucson, Arizona (August 20-21, 2007)

Extreme Habitability: Formation of Habitable Planets in Systems with Close-in Giant Planets and/or Stellar Companions
Bioastronomy 2007
San Juan, Puerto Rico (July 16-20, 2007)

Habitability of Planets in Binaries
Extreme Solar Systems Conference
Santorini, Greece (June 24–29, 2007)
**Models of Water Delivery to Earth**  
210th Annual Meeting of the American Astronomical Society  
Honolulu, HI (May 27-31, 2007)

**Habitable Planet Formation: A Review of Current Status**  
209th Annual Meeting of the American Astronomical Society  
Seattle, WA (January 5-10, 2007)

**Habitable planet formation; A review of current status**  
209th Annual Meeting of the American Astronomical Society  
Seattle, WA (January 5 – 10, 2007)

**Is Our Solar System Unique?**  
Architects and Engineers of Hawaii  
Honolulu, HI (October 27, 2006)

**Habitable planet formation in single and binary star systems**  
Department of Physics and Astronomy, University of Denver  
Denver, CO (March 30, 2006)

**Habitable planet formation in single and binary star systems**  
Department of Physics and Astronomy, University of Central Florida  
Orlando, FL (February 8, 2006)

**Planet Formation**  
Hawaii Institute for Geophysics and Planetology, University of Hawaii-Manoa  
Honolulu, HI (December 2, 2005)

**Current Status of Extrasolar Planets and New Challenges in Planetary Science**  
Department of Geology and Geophysics, University of Hawaii-Manoa  
Honolulu, HI (September 16, 2005)

**Habitable Planets in Binary Star Systems: New Challenges of Planetary Dynamics**  
Planetary Science Institute  
Tucson, AZ (August 23, 2005)

**Habitable Planets in Binary Star Systems: New Challenges of Planetary Dynamics**  
NASA/ Goddard Space Flight Center  
Greenbelt, MD (August 17, 2005)

**150 New Planets, 150 New Challenges**  
Mauna Kea Visitor Center  
Mauna Kea, Hawaii Island, HI (June 10, 2005)
Habitable Planets and Water-Delivery in Binary Star Systems
General Meeting of NASA Astrobiology Institute
Boulder, CO (April 10, 2005)

Formation of Habitable Planets in Binary Star Systems
Aspen 2005 Winter Conference on Astrophysics
Planet Formation and Detection
Aspen, CO (February 12, 2005)

A World with Two Suns
Institute for Astronomy, University of Hawaii-Manoa
Honolulu, HI (January 26, 2005)

Extrasolar Planets; The Challenges of Planetary Science
American Center for Physics
College Park, MD (June 16, 2004)

Is Sun the Only Star with Planets?
NASA (Journey Through the Universe Program)
Washington, DC (October 20, 2003)

One Hundred Other Solar Systems; How Planetary Systems Are Formed?
George Mason University
Fairfax, VA (March 31, 2003)

A Study of the Stability of Multi-planet Extrasolar Planetary Systems
Institute for Geophysics and Planetary Physics, University of California, Los Angeles
Los Angeles, CA (December 12, 2002)

Rapid Migration of Small Solids in a Non-Uniform Solar Nebula
Department of Terrestrial Magnetism, Carnegie Institution of Washington
Washington, DC (November 22, 2002)

Challenges in Theoretical Astronomy
National Science Foundation
Washington, DC (July 9, 2002)

Extrasolar Planetary Systems; Theoretical Challenges
Commerce Science and Technology Fellowship Program
Department of Commerce, Carnegie Institution of Washington
Washington, DC (June 13, 2002)

Solid-Body Dynamics in Gravitationally Unstable Protostellar Disks
Department of Astronomy, University of Maryland-College Park
College Park, Maryland (May 21, 2002)
Extrasolar Planetary Systems; What Is So Special About Them?
Department of Physics and Astronomy, Southwest Missouri State University
Springfield, Missouri (April 2001)

A Review of the Status of Planets Around Other Stars
Department of Physics, Loyola University
New Orleans, Louisiana (March 2001)

Exploring the Solar System
Space Day 2001
Saint Louis Science Center
Saint Louis, Missouri (February 2001)

Extrasolar Planetary Systems and Planetary Dynamics
Department of Physics and Astronomy, University of Mississippi
Oxford, Mississippi (January 2001)