

CURRICULUM VITAE – MATIJA ČUK

DEGREES

2002-2005 Ph. D. (Astronomy) Cornell University
1999-2002 Master of Science (Astronomy), Cornell University
1995-1999 Diploma in Astrophysics, University of Belgrade, Serbia

EMPLOYMENT

Sep 2011- Principal Investigator, Carl Sagan Center, SETI Institute
Nov 2009-May 2011 Clay Postdoctoral Fellow, Smithsonian Astrophysical Observatory
May 2008-Nov 2009 Daly Postdoctoral Fellow, Department of Earth and Planetary Sciences, Harvard University
Sep 2006-May 2008 Canadian Institute for Theoretical Astrophysics (CITA) National Fellow, University of British Columbia, Canada
Jan 2005-Aug 2006 Postdoctoral Research Associate, Department of Physics and Astronomy, University of British Columbia, Canada

PRIZES AND AWARDS

2014 Harold C. Urey Prize to an early-career scientist, awarded annually by the Division of Planetary Sciences of the American Astronomical Society
2004 Eleanor York prize for public service in astronomy (Cornell U.)
2002 AAS Division of Dynamical Astronomy Student Stipend
1999 Zaharije Brkić award (astronomy graduate of the year, Belgrade U.)

COMMUNITY SERVICE

AAS Division on Dynamical Astronomy: DDA Committee Member (2007-2009), Local Organizing Committee Co-Chair (2010, 2018), DDA Vice-Chair (2012-2013), DDA Chair (2013-2014)

AAS Division of Planetary Sciences: Scientific Organizing Committee member (2014), DPS Prize Subcommittee member (2015-2016)

SELECTED PUBLICATIONS

Secular resonance between Iapetus and the giant planets M. Čuk, L. Dones, D. Nesvorný and K. J. Walsh. *MNRAS* **481**, 5411–5421 (2018).

Planetary chaos and the (in)stability of the Hungaria asteroids. M. Čuk and D. Nesvorný. *Icarus* **304**, 9–13 (2018).

1I/'Oumuamua as a tidal disruption fragment from a binary star system. M. Čuk. *ApJL* **852**, L15 (2018).

Dynamical evidence for a late formation of Saturn's moons
M. Čuk, L. Dones and D. Nesvorný. *ApJ* **820**, 97 (2016).

Tidal evolution of the Moon from a high-obliquity, high-angular-momentum Earth. M. Čuk, D. P. Hamilton, S. J. Lock and S. T. Stewart. *Nature* **539**, 403-406 (2016).

Yarkovsky-driven spreading of the Eureka family of Mars Trojans.
M. Čuk, A. A. Christou and D. P. Hamilton. *Icarus* **252**, 339–346 (2015).

Hungaria asteroids as the source of aubrite meteorites.
M. Čuk, B. J. Gladman and D. Nesvorný. *Icarus* **239**, 154–159 (2014).

On the Dynamics and Origin of Haumea's Moons.
M. Čuk, D. Ragozzine and D. Nesvorný. *AJ* **146**, 89 (2013).

The long-term stability of horseshoe orbits. M. Čuk, D. P. Hamilton and M. J. Holman. *MNRAS* **426**, 3051–3056 (2012).

Making the Moon from fast-spinning Earth: Giant impact followed by resonant despinning. M. Čuk and S. T. Stewart. *Science* **338**, 1047–1052 (2012).

Chronology and sources of lunar impact bombardment.
M. Čuk. *Icarus* **218**, 69–79 (2012).

Orbital evolution of small binary asteroids. M. Čuk and D. Nesvorný. *Icarus* **207**, 732–743 (2010).

Constraints on the source of lunar cataclysm impactors. M. Čuk, B. J. Gladman and S. T. Stewart. *Icarus* **207**, 590–594 (2010).

Excitation of lunar eccentricity by planetary resonances.
M. Čuk. *Science* **318**, 244 (2007).

Formation and destruction of small binary asteroids.
M. Čuk. *ApJL* **659**, L57–L60 (2007).

Effects of thermal radiation on the dynamics of binary NEAs.
M. Čuk and J. A. Burns. *Icarus* **176**, 418–431 (2005).

Constraints on the orbital evolution of Triton.
M. Čuk and B. J. Gladman. *ApJL* **626**, L113–L116 (2005).

On the secular behavior of irregular satellites.
M. Čuk and J. A. Burns. *AJ* **128**, 2518–2541 (2004).