

CURRICULUM VITAE: KRZYSZTOF M. GÓRSKI

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PROFESSIONAL AND RESEARCH EXPERIENCE

SENIOR RESEARCH SCIENTIST, Principal Scientist, level V/VI; **JPL/Caltech** January 2003 - present
SECRETARY GENERAL, Nicolaus Copernicus Academy, Warsaw, Poland March 2023 - present

- Over 30-year work and research experience in astrophysics and cosmology, and extensive publication record (**421 publications, 98,500 citations, H-index – 124**, per SAO/NASA ADS database)
- Participation in the ESA/NASA's space mission Planck (all stages of the project), and NASA COBE mission
- Planck Project roles: Co-Investigator, Core Team member, Working Group lead and coordinator, Planck Editorial Board member
- Development & deployment lead for novel data analysis methods for Planck and COBE mission support
- Development, distribution, support, and team management for methodology/software for sky mapping and analysis applications in space and suborbital astronomy (**HEALPix, over 4750 citations** of Ap.J. publication)

EDUCATION AND ACADEMIC DEGREES

- **Professor of Physics**, conferred by **President of Poland**, Warsaw, Poland 2003
- **Doctor Habilitatus** in Physical Sciences, **Warsaw University**, Warsaw, Poland 1997
- **Ph.D.** in Physical Sciences, **Warsaw University**, Warsaw, Poland 1987
- **M.Sc.** in Astronomy, **Nicolaus Copernicus University**, Torun, Poland 1980

AWARDS

- NASA Honors Award; Group Achievement Awards for Planck work 2010, 2011, 2014
- NASA Honors Award; Exceptional Achievement Medal 2011
- Marcel Grossman Institutional Award to the Planck Scientific Collaboration 2018
- Royal Astronomical Society's 2018 Group Achievement Award to Planck mission 2018
- Gruber Prize in Cosmology awarded to the Planck team and its Principal Investigators
Nazzareno Mandolesi and Jean-Loup Puget 2018
- NASA Honors Award; Exceptional Technological Achievement Medal 2019
- 2020 Foundation for Polish Science Prize in Mathematical, Physical, and Engineering Sciences 2020
- NASA Honors Award; Exceptional Public Service Medal 2023

NOTABLE PUBLICATIONS

- Tristram, M, et al., incl. **KMG**, (2024), Cosmological parameters derived from the final Planck data release (PR4), *A&A*, 682, A37
- Rocha, G. et al., incl. **KMG**, (2023), Polarization and variability of compact sources measured in Planck time ordered data, *A&A*, 669, A92
- Tristram, M, Banday, A.J., & **Górski, K.M.** et al. (2021), Improved limits on the tensor-to-scalar ratio using BICEP and Planck data, *PhysRevD*, 105, id.083524
- **Górski, K.M.**, Bills, B.G., & Konopliv A.S. (2018), A high resolution Mars surface gravity grid., *Plan. Space Sci.*, 160, 84-106
- Planck Collaboration, incl. **KMG**, (2018), Planck 2018 results. I. Overview and the cosmological legacy of Planck, *A&A*, 641, A1, 56
- Planck Collaboration, incl. **KMG**, (2018), Planck 2018 results. VI. Cosmological parameters, *A&A*, 641, A6,67
- Planck Collaboration, incl. **KMG**, (2016), Planck 2015 results. XVI. Isotropy & Statistics of the CMB *A&A*, 594, A16, 62
- BICEP2/Keck & Planck Collaborations, incl. **KMG**, (2015), Joint Analysis of BICEP2/Keck Array and Planck Data, *PhRvL*, 114.101301
- **Górski, K.M.**, et al. (2005), **HEALPix: A Framework for High-Resolution Discretization and Fast Analysis of Data Distributed on the Sphere**, *The Astrophysical Journal*, 622, 759-77
- **Górski, K.M.**, Banday, A.J., Bennett, et al. (1996), Power Spectrum of Primordial Inhomogeneity Determined from the Four-Year COBE DMR Sky Maps, *ApJ*, 464, L11