

## VITA: MICHAEL M. SHARA

**Present Position:** Curator, Department of Astrophysics  
American Museum of Natural History  
And  
Adjunct Professor of Astrophysics/ Columbia University  
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Honorary Professor, Chemistry/ Queen's University Belfast

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### Education:

Year	Institution	Subject	Degree
1978- 1980	Universite de Montreal	Astrophysics	NRC Postdoctoral Fellow
1973-1977	Tel-Aviv University	Astrophysics	Ph.D.
1971-1973	University of Toronto	Astronomy	M.Sc.
1968-1971	University of Toronto	Physics	B.Sc.

### Research/Management Experience:

2012-2019	Honorary Professor	Queen's University Belfast
2012-2018	Chairman, Board of Directors	Southern African Large Telescope
2005- present	Curator Dept. of Astrophysics	American Museum of Natural History
1999-2005	Curator-in-Charge Dept. of Astrophysics	American Museum of Natural History
1999-present	Adjunct Professor	Dept. of Astronomy Columbia University
1991-1998	Head, Hubble Telescope Time Allocation Committees	Space Telescope Science Institute
1988-1999	Astronomer with Tenure	Space Telescope Science Institute
1982-1988	Associate Astronomer	Space Telescope Science Institute

## RECENT PEER-REVIEWED RESEARCH PAPERS

**10,000+ citations (ADS); h-index = 54; 230+ journal papers**

225. **Shara, M.**, Mikołajewska, J., Caldwell, N., Hkiewicz, K., Drozd, K., Zurek, D.  
The first transition Wolf-Rayet WN/C star in M31  
Monthly Notices of the Royal Astronomical Society 455, 3453 – 3457 (2016)
223. **Shara, M.**, Hurley, J. R., Mardling, R.A.  
Dynamical Interactions Make Hot Jupiters in Open Star Clusters  
Astrophysical Journal 816, 59-66 (2016)
221. **Shara, M.**, Zurek, D., Schaefer, B., Bond, H., Godon, P., Mac Low, M.-M.,  
Pagnotta, A., Prialnik, D., Sion, E., Toraskar, J., Williams, R.  
HST Images Flash Ionization of Old Ejecta by the 2011 Eruption of Recurrent  
Nova T Pyxidis  
Astrophysical Journal 805, 148-155 (2015)
217. Mikołajewska, J., Caldwell, N. and **Shara, M.**  
First Detection and Characterization of Symbiotic stars in M31  
Monthly Notices of the Royal Astronomical Society 444, 586-599 (2014)
211. **Shara, M.**, Bibby, J., Zurek, D., Crowther, P., Moffat, A. and Drissen, L.  
The Vast Population of Wolf-Rayet and Red Supergiant Stars in  
M101: I. Motivation and First Results  
Astronomical Journal 146, 162- 174 (2013)
205. J. R. Hurley and **M.M. Shara**  
A Direct N-body model of core-collapse and core oscillations  
Monthly Notices of the Royal Astronomical Society 425, 2872- 2879 (2012)
204. **M.M. Shara**, T. Mizusawa, P. Wehinger, D. Zurek, C.D. Martin, J.D. Neill, K.  
Forster, M. Seibert  
AT Cnc: A Second Dwarf Nova with a Classical Nova Shell  
Astrophysical Journal 758, 121 (2012)
201. **M.M. Shara**, J.K. Faherty, D. Zurek, A.F.J. Moffat, J. Gerke, R. Doyon, E.  
Artigau, and L. Drissen  
A Near-Infrared Survey of the Inner Galactic Plane for Wolf-Rayet Stars II.  
Going Fainter: 71 More New WR Stars  
The Astronomical Journal 143, 149-170 (2012)
171. J. Hurley, S. Aarseth and **M. M. Shara**  
The Core Binary Fractions of Star Clusters from Realistic Simulations  
Astrophysical Journal **665**, 707-718 (2007)

170. **M. Shara**, C. Martin, M. Seibert, R. M. Rich, S. Salim, D. Reitzel, D. Schiminovich, C. Delyannis, A. Sarrazine, N. Brosch, S. Lepine, D. Zurek, O. de Marco, G. Jacoby  
An Ancient Nova Shell Surrounds the Dwarf Nova Z Cam  
Nature 446, 159-162 (2007)