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EDUCATION
Ph.D:Physics (Observational Astronomy & Computational Astrophysics), University of
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MS: Astronomy, University of Nebraska-Lincoln, December, 1991
MS: Physics (Material Science and Electronic Instrumentation), Southern Illinois University at
Carbondale, May, 1989
BSc.(Hons)Physics (Nuclear Physics). University of Karachi, Pakistan.

CURRENT APPOINTMENT
Director of General Education Physics Laboratory and Lecturer, August 98-Present, Illinois State
University, Normal, Illinois

PROFESSIONAL AFFILIATIONS
AAS - American Astronomical Society
IEEE - IEE Computer Soceity
Sigma Xi - The Scientific Research Society.
AAPT - American Association of Physics Teachers
TCAA- Twin city Amateur Astronomers

PUBLICATIONS

Papers in Refereed Journals
Goderya S. N., S. M. Lolling "Morphological Classification of Galaxies using Computer Vision
and Artificial Neural Networks: A Computational Scheme", Astrophysics and Space Science
Journal, 279, No. 4, p377-387, 2002.
Goderya S. N."Doing Research on Eclipsing Binary Stars with Small Telescopes and PC
computers", Astrophysics and Space Science Journal, Special issue, EXPLORING THE
UNIVERSE: SKY SURVEYS, SPACE EXPLORATIONS, AND SPACE TECHNOLOGIES,
Proceedings of the Tenth United Nations / European Space Agency Workshop, Reduit, Mauritius,
25-29 June 2001, eds. Hans J. Haubold and S. D. D. Rughooputh, vol. 282, No. 1, 2002 pp 1-359.
Goderya S. N., Leung K. C. and Schmidt E. G., "Photometric Investigation of the Eclipsing
Binary Star KN Per" 1998, Astrophysics and Space Science Journal, 254, 295
Goderya S. N., Leung K. C. and Schmidt E. G., "Photometric Study of Selected Zero-Age
Contact and Evolved Contact Binary Systems", 1997, The Third Pacific Rim conference on
Recent Development on Binary Star Research, Astronomical Society of the Pacific conference, Vol.
130, edited by K. C. Leung, p 219-222
Goderya S. N., Leung K. C. and Schmidt E. G., "Indications of third light in the Photometric
solutions of contact system DN Aur" 1997, Astrophysics and Space Science Journal, 246, 291

Goderya S. N., Leung K. C. and Schmidt E. G., "Photometric Investigation of the short period eclipsing binary star V719 Her" 1996, Astrophysics and Space Science Journal, 243, 315

Goderya S. N., Leung K. C. and Schmidt E. G., "Photometric study of V508 Cygni" 1995, Astronomical Journal 110, 346

Goderya S. N. and Schmidt E. G., Be Stars in young Clusters, 1994, Astrophysical Journal, 426, 159

Farooqui Z. A. and **Goderya** S. N."Establishment of an Observatory Housing a 1.5 m Telescope: The Case for Pakistan to Join NORT", Seminars of the United Nations Program on Space Applications, Volume Number 13, Selected Papers from Activities Held in 2001 (In Press).

Technical Reports

Goderya S. N. VISIT TO SPACE AND UPPER ATMOSPHERE RESEARCH COMMISSION OF PAKISTAN AS TOKTEN CONSULTANT UNDER THE UNDP/TOKTEN PROGRAM submitted to Government of Pakistan and United Nations Development Program on 13 September 1999(http://www.phy.ilstu.edu/~goderya/UNReport.html)

Goderya S. N., Farooqui S. Z., Ale-Mohammad, FEASIBILITY REPORT FOR THE ESTABLISHMENT OF AN ASTRONOMICAL OBSERVATORY CONTAINING A 1.5-M TELESCOPE submitted to Space and Upper Atmosphere Research Commission of Pakistan on 13 August 1999.(http://www.phy.ilstu.edu/~goderya/OBSReport.html)

Recent Conference presentations and posters

Goderya S. N. "How to use Computer Vision and Artificial Neural Network for Automated Classification of Galaxies" Tenth UN/ESA workshop on Basic Space Science, Exploring the Universe: Sky Surveys, Space Explorations and Space Technologies, 25-29 June 2001, Reduit, Mauritius.

Goderya S. N. "Doing Research on Eclipsing Binary Stars with Small Telescope and PC Computers" Tenth UN/ESA workshop on Basic Space Science, Exploring the Universe: Sky Surveys, Space Explorations and Space Technologies, 25-29 June 2001, Reduit, Mauritius.

Goderya S. N., and Patrick C. McGuire "Using Neural Networks to Classify Digitized Images of Galaxies"(197th Meeting of AAS, January 2001, San Diego, California).

Goderya S. N., "Automatic Morphological Classification of Galaxies using Computer Vision and Artificial Neural Networks: A description of the computational scheme (194th Meeting of AAS, June 1999, Chicago, Illinois).

Invited Talks and Colloqui

Goderya S. N., "Recent discoveries by the Hubble Space Telescope" June 14th, 2000, presented at the Normal Rotary Club. Normal, Illinois.

Goderya S. N., "Automated Morphological Classification of Galaxies using Computer Vision and Artificial Neural Networks: A description of the computational scheme, April 30th, 1999, presented at Department of Physics and Astronomy, University of Missouri St. Louis, Missouri

Goderya S. N., "Scientific Frontiers with the Hubble Space Telescope, presented at VI National Symposium in Frontiers in Physics, 18 December, 1997, at Department of Physics, Quaid-i-Azam University, Islamabad, Pakistan.