

CURRICULUM VITAE

Robert Allen Arko

Present Address:

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Professional Preparation:

Bachelor of Science (Computer Science), Ohio State University, College of Mathematical and Physical Sciences, Columbus, OH, Sep. 1992

Master of Science (Computer Science), Columbia University, School of Engineering and Applied Science, New York, NY, May 1998

Appointments:

Lead Programmer/Analyst, Lamont-Doherty Earth Observatory, Palisades, NY, Aug. 1998 - present

Programmer/Analyst Intermediate, Lamont-Doherty Earth Observatory, Palisades, NY, Aug. 1995 - Aug. 1998

Programmer/Analyst, Lamont-Doherty Earth Observatory, Palisades, NY, Sep. 1993 - Aug. 1995

Research Staff Assistant, Lamont-Doherty Earth Observatory, Palisades, NY, Sep. 1992 - Sep. 1993

Publications:

Ryan, W., S. Carbotte, J. Coplan, S. O'Hara, A. Melkonian, R. Arko, R. Weissel, V. Ferrini, A. Goodwillie, F. Nitsche, J. Bonczkowski, R. Zemsky (2009), Global Multi-Resolution Topography Synthesis, *Geochem. Geophys. Geosyst.*, 10(Q03014). DOI:10.1029/2008GC002332.

Carbotte, S., W. Ryan, S. O'Hara, R. Arko, A. Goodwillie, A. Melkonian, R. Weissel, V. Ferrini (2007), Antarctic Multibeam Bathymetry and Geophysical Data Synthesis: An On-Line Digital Data Resource for Marine Geoscience Research in the Southern Ocean, *Proc. of the 10th ISAES*, edited by A.K. Cooper and C.R. Raymond et al. DOI:10.3133/of2007-1047.srp002.

Kastens, K., R. Arko, N. Holzman (2007), Digital Library for Earth System Education Adds Pedagogical Links, *Eos Trans. AGU*, 88(40), 339. DOI:10.1029/2007EO400003.

Arko, R., K. Ginger, K. Kastens, J. Weatherley (2006), Using Annotations to Add Value to a Digital Library for Education, *D-Lib Magazine*, 12(5). DOI:10.1045/may2006-arko.

Carbotte, S., R. Arko, D. Chayes, W. Haxby, K. Lehnert, S. O'Hara, W. Ryan, R. Weissel, T. Shipley, L. Gahagan, K. Johnson, T. Shank (2004), New Integrated Data Management System for Ridge2000 and MARGINS Research, *Eos Trans. AGU*, 85(51), 553,559. DOI:10.1029/2004EO510002.

Synergistic Activities:

(Co-Chair) UNOLS Committee on Data Management Best Practices

IODP Scientific Earth Drilling Information Service (SEDIS) Working Group

SCAR Committee on Antarctic Data Management (SC-ADM)

Marine Metadata Interoperability (MMI) Steering, Technical Committees

OGC Ocean Science Interoperability Experiment

Collaborators:

L. Bermudez (SURA), S. Carbotte (LDEO), C. Chandler (WHOI), D. Chayes (LDEO), V. Ferrini (LDEO), A. Goodwillie (LDEO), J. Graybeal (MBARI), K. Kastens (LDEO), K. Lehnert (LDEO), A. Maffei (WHOI), S. Miller (UCSD), F. Nitsche (LDEO), S. O'Hara (LDEO), W. Ryan (LDEO), K. Stocks (SDSC), S. Vinay (CIESIN)