ANDREW J. RAPOFF, PH.D.

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EDUCATION

1997 PhD Mechanical Engineering (Mathematics Minor), University of Wisconsin-Madison
1989 MS Engineering Mechanics, University of Missouri-Rolla (Missouri University of Science and Technology)
1983 BS Mechanical Engineering, University of Missouri-Columbia

CURRENT APPOINTMENTS

Thomas J. Watson Sr. & Emma Watson Day Chair of Mechanical Engineering, Union College
(Full) Professor of Mechanical Engineering, Union College
Faculty Mentor, Union College DI Men's Ice Hockey Team

PREVIOUS EMPLOYMENT

Summer 2003 NASA Langley Research Center
1998 - 2004 University of Florida
1997 - 1998 University of Wisconsin
1983 - 1992 McDonnell Aircraft Company (now Boeing)

RECENT JOURNAL PAPERS (43 total)

Rapoff AJ, McGraw WS, Duque AC, Daegling DJ. Correlation between elastic modulus and radiographic density in mandibular cortical bone of colobine monkeys. *American Journal of Physical Anthropology* 2017;163:187-191.

Rapoff AJ, McGraw WS, Daegling DJ. The relationship between bending stress and the shape of maxillary canines in cercopithecoid monkeys. *American Journal of Physical Anthropology* 2014;154(1):61-69.

Pampush JD, Daegling DJ, Vick AE, McGraw WS, Rapoff AJ, Covey RM. Converting durometer data into elastic modulus in biological materials. *American Journal of Physical Anthropology* 2011;146(4):650-653.

RECENT CONFERENCE PAPERS (96 total)

Rapoff AJ, Kane EE, Dunham N, Daegling DJ, McGraw WS Associations between humeral head curvature and habitat use in cercopithecids. *American Journal of Physical Anthropology* 2018;165(S66):220.

Rapoff AJ, Yankova D, McGraw WS, Daegling DJ. Effect of periodontal ligament on stress gradients in alveolar bone. *American Journal of Physical Anthropology* 2017;162(S64):328.

Rapoff AJ, Coull JW, McGraw WS, Daegling DJ. Inhomogeneous nature of canine composition does not affect their isostress shape. *American Journal of Physical Anthropology* 2016;159(S62):264.

TEACHING INTERESTS

Engineering solid mechanics, astrodynamics, aerospace structures, mechanical design and bioengineering