Professor Ahmed K. Noor

See:
http://www.worldcat.org/identities/lccn-n80-165468
http://www.daratech.com/summit2005/bios/noor_ahmed.html
http://versita.com/noor/
http://www.sagepub.com/editorDetails.nav?contribId=525681
http://www.amazon.com/gp/aw/s?i=stripbooks&field-author=Ahmed%20K.%20Noor
http://www.goodreads.com/author/show/295683.Ahmed_K_Noor
http://www.abebooks.com/book-search/author/ahmed-k-noor/
http://www.nasa.gov/centers/langley/news/researchernews/rn_caee.html
http://65.54.113.26/Author/10569589/ahmed-k-noor
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http://www.journalogy.net/PublicationList?srcType=4&desType=2&srcID=4503&desID=10569589

Director, Center for Advanced Engineering Environment
NASA Langley Research Center

Ahmed K. Noor's current professional activities focus on intelligent design and synthesis environments, advanced learning technologies, aerospace structures, structural and computational mechanics, multiscale modeling, simulation and visualization, and new computing systems.

Appointments:

William E. Lobeck Professor of Aerospace Engineering, Eminent Scholar and Director, Center for Advanced Engineering Environments; Old Dominion University, Norfolk, VA;
2001-present Adjunct Professor of Mechanical and Aerospace Engineering; University of Florida, Gainesville; 2002-2008

Ferman W. Perry Professor of Aerospace Structures and Applied Mechanics, and Director, Center for Advanced Computational Technology, NASA Langley Research Center; University of Virginia; 1990-2000

Professor of Engineering and Applied Science, and Head of the Structures and Dynamics Group of the Joint Institute for Advancement of Flight Sciences, NASA Langley Research Center; George Washington University; 1972-1990

NRC Senior Resident Postdoctoral Research Associate; NASA Langley Research Center; 1971-1972

Senior Lecturer of Structural Mechanics; University of New South Wales, Australia; 1968-1971

Visiting Senior Lecturer of Structural Mechanics; Baghdad University, Iraq; 1967-1968

Senior Lecturer of Structural Mechanics; Cairo University, Egypt; 1964- 1967

Assistant Professor of Aeronautics and Astronautics; Stanford University, CA; 1963-1964

Research Areas:

Future modeling, simulation and visualization environments; Immersive visual simulations and virtual worlds; Digital ecosystems for learning, training and accelerated workforce development; New computing systems; Knowledge discovery and exploitation; Intelligent Synthesis Environment.

Professional Activities:

Fellow of ASME, AAM, ASCE, AIAA, US ACM, NIA (National Institute of Aerospace)

President of US ACM (1995-96)

Chairman of Structures Committee, AIAA (1993-94)

Editor-in-chief, Advances in Engineering Software (1990-)

Editor-in-chief, Central European Journal of Engineering (2009 -)

Associate editor, Applied Mechanics Reviews, ASME (1988-)

Member of the Editorial Board of the following international journals:

Numerical Methods in Engineering, John Wiley and Sons, New York; Engineering Computations, Pineridge Press, Swansea, United Kingdom; Computers and Structures, Pergamon Press, Oxford; Engineering with Computers, Springer Verlag, New York; Communications in Applied Numerical Methods, John Wiley and Sons, New York; ASCE Journal of Aerospace Engineering; Sandwich Structures and Materials, Technomic

Served on a number of committees of the US National Research Council/National Academy of Engineering Collaboration with other Institutions

Led a Consortium of eight university teams (MIT Media Lab, MIT AI Lab, Cornell, Syracuse, University of Florida – Gainesville, University of Illinois at Urbana – Champaign, George Mason, Georgia Tech and Old Dominion University) in 2002 – 2004 to explore the feasibility of developing a Hierarchical Research and Learning Network for signi ficantly enhancing Aerospace Engineering Education.

Formed an innovation network with links to lead research institutions and lead experts in a number of areas including Advanced Learning Technologies, Accelerated Workforce Development, and Virtual Product Creation.

Publications:

Has over 450 archival publications and edited over 30 books. Sample publications are listed below.

Tang, YY; Noor, AK; Xu, K:
Assessment of computational models for thermoelectroelastic multilayered plates Source.COMPUTERS & STRUCTURES, 61 (5): 915-933 DEC 1996 ISSN: 0045-7949 32221503

Xu, KM; Noor, AK:
Three-dimensional analytical solutions for coupled thermoelectroelastic response of multilayered cylindrical shells. AIAA JOURNAL, 34 (4): 802-812 APR 1996 ISSN: 0001-1452 13120382.533.

Xu, KM; Noor, AK; Tang, YY:
Three-dimensional solutions for free vibrations of initially-stressed thermoelectroelastic multilayered plates. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, 141 (1-2): 125-139 FEB 15 1997 ISSN: 0045-7825 03550322.294.

Wilson, JW; Shinn, JL; Tripathi, RK; et al.:
Issues in deep space radiation protection. ACTA ASTRONAUTICA, 49 (3-10): 289-312 AUG-NOV 2001 ISSN: 0094-5765 16740303.005.

Rolfes, R; Noor, AK; Sparr, H:
Evaluation of transverse thermal stresses in composite plates based on first-order shear deformation theory. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, 167 (3-4): 355-368 DEC 21 1998 ISSN: 0045-7825 43220292.426.

Noor, AK; Malik, M:
An assessment of five modeling approaches for thermo-mechanical stress analysis of laminated composite panels. COMPUTATIONAL MECHANICS, 25 (1): 43-58 FEB 2000 ISSN: 0178-7675 46010242.187.

Burton, WS; Noor, AK:
Assessment of continuum models for sandwich panel honeycomb cores Source. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, 145 (3-4): 341-360 JUN 30 1997 ISSN: 0045-7825 43230201.438.

Noor, AK; Venneri, SL; Paul, DB; et al.:
Structures technology for future aerospace systems. COMPUTERS & STRUCTURES, 74 (5): 507-519 FEB 2000 ISSN: 0045-7949 14520191.739.

Wasfy, TM; Noor, AK:
Finite element analysis of flexible multibody systems with fuzzy parameters. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, 160 (3-4): 223-243 JUL 23 1998 ISSN: 0045-7825 34110181.3810.

Wasfy, TM; Noor, AK:
Application of fuzzy sets to transient analysis of space structures. FINITE ELEMENTS IN ANALYSIS AND DESIGN, 29 (3-4): 153-171 JUN 15 1998 ISSN: 0168-874X 34110181.3811.

Burton, WS; Noor, AK:
Structural analysis of the adhesive bond in a honeycomb core sandwich panel. FINITE ELEMENTS IN ANALYSIS AND DESIGN, 26 (3): 213-227 JUN 16 1997 ISSN: 0168-874X 01210161.1412.

Noor, AK:

New computing systems and future high-performance computing environment and their impact on structural analysis and design. COMPUTERS & STRUCTURES, 64 (1-4): 1-30 JUL-AUG 1997 ISSN: 0045-7949 02000151.0713.

Wasfy, TM; Noor, AK:
Modeling and sensitivity analysis of multibody systems using new solid, shell and beam elements. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, 138 (1-4): 187-211 DEC 1 1996 ISSN: 0045-7825 30110151.0714.

Noor, AK; Starnes, JH; Peters, JM:
Uncertainty analysis of composite structures. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, 185 (2-4): 413-432 2000 ISSN: 0045-7825 21340141.2715.

Szewczyk, ZP; Noor, AK
A hybrid neurocomputing numerical strategy for nonlinear structural analysis. COMPUTERS & STRUCTURES, 58 (4): 661-677 FEB 17 1996 ISSN: 0045-7949 00000130.8716.

Noor, AK; Malik, M:
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Wasfy, TM; Noor, AK:
Visualization of CFD results in immersive virtual environments. ADVANCES IN ENGINEERING SOFTWARE, 32 (9): 717-730 SEP 2001 ISSN: 0965-9978 01120111.1018.

Abdel-Tawab, K; Noor, AK:
A fuzzy-set analysis for a dynamic thermo-elastoviscoplastic damage response. COMPUTERS & STRUCTURES, 70 (1): 91-107 JAN 1999 ISSN: 0045-7949 21020110.9219.

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Leamy, MJ; Noor, AK; Wasfy, TM:
Dynamic simulation of a tethered satellite system using finite elements and fuzzy sets. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, 190 (37-38): 4847-4870 2001 ISSN: 0045-7825 11400101.00