



Neil Ingels, Ph.D.

Adjunct Professor of Biomedical Engineering, University of Arkansas, Fayetteville, Arkansas

Dr. Neil Ingels has been studying the 4-D dynamics of the heart using biplane radiography of surgically implanted radiopaque markers for the past forty years with emphasis on the mitral and aortic valves during the past 20 years and dense leaflet and annular mitral marker arrays during the past decade. In addition to 202 peer-reviewed publications and 276 presentations. His recent book is providing new insights into mitral valve function:

Ingels, NB Jr and Karlsson M. [MITRAL VALVE MECHANICS](http://dx.doi.org/10.3384/book.diva-117057) , (2016) Linköping University Electronic Press, ISBN 978-91-7685-952-0 <http://dx.doi.org/10.3384/book.diva-117057>

Positions

1959 - 1960	Systems Engineer, Sperry Utah Engineering Laboratory, Salt Lake City, UT
1960 - 1962	Satellite Systems Research Engineer, Lockheed Missile and Space Co., Sunnyvale, CA
1967 - 1971	Lecturer in Biomedical Engineering, University of Santa Clara, Santa Clara, CA
1962 - 1978	Research Assoc, Sr Research Assoc, Bioengineering & Physiology Div, PAMF, Palo Alto, CA
1980 - 1989	Consulting Assoc Professor, Dept of Electrical Engineering, Stanford University, Stanford, CA
1978 - 1993	Chair, Dept Cardiovasc Physiol & Biophys, Research Inst, Palo Alto Med Fdn, Palo Alto, CA
1993 - 2013	Senior Staff Scientist and Head, Lab Cardiovasc Physiol & Biophys, Research Institute, PAMF
1993 - Present	Consulting Professor of Cardiothoracic Surgery, Stanford University Medical Ctr, Stanford, CA
2003 - Present	Adjunct Professor, BA Engineering, University of Arkansas, Fayetteville, Arkansas
2017 - Present	Adjunct Professor of Biomedical Engineering, University of Arkansas, Fayetteville, Arkansas

Honors

Tau Beta Pi (Engineering Honorary); Eta Kappa Nu (Electrical Engineering Honorary); Pi Delta Wye (Electrical Engineering Honorary); Pi Mu Epsilon (Mathematics Honorary); Hewlett-Packard Fellow, Stanford University 1963-1964; Arkansas Academy of Electrical Engineering (Elected to Membership, 1981). Election to inaugural class of Biomedical Engineering Society Fellows (2005). Degree of Doctor Honoris Causa, Institute of Technology at Linköping University, Linköping, Sweden (2006). Commencement Speaker, University of Arkansas Engineering Graduation Ceremonies, May 11, 2013, Barnhill Auditorium, Fayetteville, Arkansas.