

RESUME

Stewart A. L. Glegg

*Dept. of Ocean Engineering
Florida Atlantic University
777 Glades Road
Boca Raton
FL 33431, USA*

Tel: (561)-297-2633

Fax: (561) 297 3885

sglegg@fau.edu

Date: 1/10/13

Summary

Dr. Stewart A.L. Glegg received his Ph. D. from the Institute of Sound and Vibration Research, Southampton University, U.K. in 1979 for studies in acoustics. He was a research specialist with Westland Helicopters, U.K. for two years (1977-1979) and then joined the Institute for Sound and Vibration Research, Southampton University (1979-1985) as a faculty member sponsored by the Navy working on Hydroacoustics. In 1985 he joined the faculty in the Department of Ocean Engineering at Florida Atlantic University, and was promoted to full Professor in 1990. He was a Visiting Scholar at Scripps Institute of Oceanography in 1991, and from 2001 until 2003 he was Chairman of the Department of Ocean Engineering at Florida Atlantic University, and Director of SeaTech. He is currently the Director of the Center for Acoustics and Vibration at FAU and associate chair of the Department of Ocean and Mechanical Engineering. He has also been a member of the Board of Directors of the South Florida Ocean Measurement Center and the Board of Governors of the Consortium for Oceanographic Research and Education based in Washington, DC. He is an Associate Fellow of the American Institute for Aeronautics and Astronautics, and a member of the Acoustical Society of America, SNAME, and ASME. He has served these societies on technical committees for Underwater Acoustics (ASA), Acoustical Oceanography (ASA), and Aeroacoustics (AIAA). He is also an ABET program evaluator for Ocean Engineering. He was an Associate Editor for the AIAA Journal (1994-97) and serves on the editorial board of the Journal of Sound and Vibration. In May 2004 he was awarded the American Institute for Aeronautics and Astronautics Aeroacoustics Award for "Outstanding contributions to the understanding and reduction of fan noise in turbo machinery". He has published over 140 technical papers in leading scientific and engineering journals including the Proceedings of the Royal Society, Nature, the Journal of Sound and Vibration, the Journal of the Acoustical Society of America and the AIAA Journal.

Education

Ph.D. in Acoustics (1979), Institute of Sound & Vibration Research, Southampton University, UK

M.Sc. in Sound and Vibration (1974), Southampton University, UK

B. Sc.(Hons) in Engineering Science (1972), Southampton University, UK

Employment Record

Primary Employment

1985-Present Professor, Department of Ocean Engineering, Florida Atlantic University, Boca Raton, FL 33431, USA (Tenure awarded and promotion to Full Professor, 1990)

2004- 2009 Director of the Center for Coastline Security, Florida Atlantic University.

1991-1999,
2003-Present Director of the Center for Acoustics and Vibration, Florida Atlantic University.

2001-2003 Chairman of the Department of Ocean Engineering, Director of SeaTech and the Institute for Ocean and Systems Engineering, Florida Atlantic University, SeaTech, Dania Beach, FL 33004, USA

2011-Present Associate Chair of the Department of Ocean and Mechanical Engineering, Florida Atlantic University

1979-1985 Lecturer, Institute of Sound and Vibration Research, Southampton University, UK

1977-1979 Research Specialist, Westland Helicopters Ltd. ,Yeovil, Somerset, UK

1974-1977 Junior Research Fellow, I.S.V.R., Southampton University, UK

1969-1973 British Aircraft Corporation, Weybridge, Surrey, UK

Visiting Positions

1991 Visiting Scholar, Scripps Institute of Oceanography, San Diego, CA, May-July 1991.

1988 University of Compiegne, France, February 1988

Membership of Professional Societies

Member of the Acoustical Society of America

Associate Fellow of the AIAA

Member of the Society for Naval Architects and Marine Engineers

Professional Engineer in the State of Florida # PE 0042571

Awards

AIAA/AHS Best Paper award at the 13th AIAA Aeroacoustics Conference, October 1990
Florida Atlantic University Researcher of the Year Award, 1995 and 2011
NASA Group Achievement Award, presented to the AST Noise Reduction Broadband Noise Experiment Team, July 1996
AIAA Aeroacoustics Award 2004, for contributions to the reduction of Turbomachinery Noise

Professional Service Activities

Professional Activities

Member of Editorial Board of the Journal of Aeroacoustics 2010-present
Administrative Chair of the 15th AIAA/CEAS Aeroacoustics Conference, Miami, FL, May 2009
ABET Program Evaluator for Ocean Engineering, 2009
Chairman of AIAA Aeroacoustics Award Committee, 2007
Member of the Board of Directors of the South Florida Ocean Measurement Center 2001-2003
Member of the Board of Governors of the Consortium for Oceanographic Research and Education, (CORE) 2001-2003
Member of Editorial Board of the Journal of Sound and Vibration 2000-present
Associate Editor of the AIAA Journal 1994-1997
Member of Editorial Board of the Journal of Aerospace Engineering 1998-2002
Technical Program Chairman of the 142nd meeting of the Acoustical Society of America, Fort Lauderdale, FL, December 2001
Technical Program Chairman of InterNoise 99 Fort Lauderdale, FL, December 1999
Organizing Committee of 5th International Congress on Sound and Vibration, Adelaide, Australia, December 1997
Organizing Committee of 16th AIAA Aeroacoustics Conference, Munich, Germany, July 1995
Organizing Committee and Proceedings Editor of NOISE CON 94, Fort Lauderdale, FL, May 1994
Member AIAA Aeroacoustics Technical Committee 1992-1994, 2007-present
Member ASA Underwater Acoustics Technical Committee 1992-1995, 1998-2001
Member ASA Acoustical Oceanography Technical Committee 1993-1995
British representative at the IEA Workshop on Wind Turbine noise at FAA, Sweden, 1984.
Short course on Noise Control at Royal Institute of Technology, Sweden, 1981, 1982.

Selected Invited Presentations (see list of publications for complete list)

Keynote Address at the 12th CEAS-ASC Workshop on Turbomachinery Broadband Noise, 23/24 October 2008, Bilbao, Spain, "The Effect of Blade Thickness and Angle of Attack on Broadband Fan Noise"

Distinguished Keynote Address at the 6th International Conference on Sound and Vibration, Copenhagen, Denmark, July 1999, "Recent Advances in Aeroacoustics: The Influence of Computational Fluid Dynamics",

NASA Glenn Research Center and the Ohio Aerospace Institute, November 2000, Jet Noise Workshop: "Jet noise Source Location: A Review"

Stanford University, Applied Mechanics Department, "The Aeroacoustics of Helicopter Blades", October 1987.

Florida Atlantic University Service Activities

Member of the College of Engineering and Computer Science Deans Search Committee, 2012-2013

Chair of Graduate Committee, Dept. of Ocean and Mechanical Engineering, 2009-

Member of the College of Engineering Graduate Committee, 2009-

Member of the College of Engineering and Computer Science Policy and Development committee, 2008-2010

Co Chair of Steering Committee for Homeland Security Research 2004-2007

Member of Steering Committee for Center of Excellence in Marine BioTechnology 2003-2005

Member of University Intellectual Property Committee 2001-present

Member of University Curriculum Committee 1986-88

Member of the University Graduate Council 1990-91

Member of University SACS Committee on Faculty Qualifications, 1991

Member of College of Engineering Promotion and Tenure Committee, 1990-93, 1997-98, 2011-present

Southampton University Service Activities

Coordinator for the M.Sc. program in Sound and Vibration studies, 1980-1984.

Research Leadership

Research Centers

- **Center for Coastline Security Technology:** This Center brought together the Dept. of Ocean Engineering, the Imaging Technology Center, the Dept. of Computer Science and Engineering, the Center for Intermodal Transportation and Security at FAU, and NSWCCD South Florida Testing Facility. The Center was funded by the Office of Naval Research with a contract for \$5,175,087 (2005-2008). Director of Center and Lead Principle Investigator.
- **South Florida Ocean Measurement Center:** This Center brought together Florida Atlantic University, University of Miami, University of South Florida, Harbor Branch Oceanographic Institution, Nova Southeastern University, and NSWCCD South Florida Testing Facility. The Center was funded by the Office of Naval Research with a contract for \$3,458,197 (1999-2004). Lead author of original proposal, Board of Directors 2001-2003
- **Center for Acoustics and Vibration:** This is a departmental Center that includes four faculty members. The Center has funding from the Office of Naval Research, NASA, FDOT, NSF, and industry for work on Underwater Acoustics, Sonar Systems, Aero and Hydroacoustics, and Structural Acoustics, with an annual sponsored research budget of approximately \$1.9M (Total funding 2001-2006:\$ 9,677,741). Director of Center.

Publications

Refereed Journal Publications & Book Chapters

(* Under Review)

- S.A.L. Glegg, "The Tailored Greens Function for a Forward Facing Step" accepted for publication in the *Journal of Sound and Vibration*, September 2012
- W. Devenport, D. Grissom, W. Alexander, B. Smith and S. Glegg, 2011, "Measurements of Roughness Noise." *Journal of Sound and Vibration*, vol. 330, pp. 4250-4273, doi:10.1016/j.jsv.2011.03.017
- W. Devenport, E. Wahl, S. Glegg, W. Alexander and D. Grissom, 2010, "Measuring Surface Pressure with Far Field Acoustics", *Journal of Sound and Vibration*, vol. 329, pp 3958-3971, doi:10.1016/j.jsv.2010.03.012
- S.Glegg and W. Devenport, "Panel Methods in Turbulent Flow", *Journal of Sound and Vibration* 329 (2010) 3709–3720
- S.Glegg and W. Devenport, 2009, "The Far Field Sound from Rough Wall Boundary Layers", *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, vol. 465, issue 2106, pp. 1717-1734, doi:10.1098/rspa.2008.0318
- S. Glegg and W. Devenport, "Unsteady loading on an airfoil of arbitrary thickness", *Journal of Sound and Vibration*, vol 319, pp. 1252-1270., 2009
- S. Glegg, W. Devenport, N. Spitz, , "The Application of Proper Orthogonal Decomposition to Trailing Edge Noise", *AIAA Journal*, vol. 47, issue 6, pp. 1543-1548, 2009
- W. Devenport, J. Staubs and S. Glegg , "Sound Radiation from Real Airfoils in Turbulence", *Journal of Sound and Vibration* 329 (2010) 3470–3483
- S.Glegg, B.Morin, O. Atassi, and R.Reba "Using RANS calculations to provide predictions of trailing edge noise" *AIAA. AIAA JOURNAL*. Vol. 48, No. 7, July 2010
- W. Devenport and S. Glegg, "The Aeroacoustics of Flow Control", chapter in "Fundamentals and Applications of Modern Flow Control", Ed. R. Joslin and D. Miller, AIAA publications, 2010
- D. de la Riva, William J. Devenport , C. Muthanna and Stewart A.L. Glegg, " The behavior of turbulence flowing through a compressor cascade", *AIAA Journal*, vol. 42, no. 7, pp. 1302-1313, July 2004
- Devenport W J, Muthanna C and Glegg S A L, 2001, "Two-Point Descriptions of Wake Turbulence with Application to Noise Prediction", *AIAA Journal*, vol. 39, no. 12, pp. 2302-2307
- Stewart A.L. Glegg, Marc P. Olivieri, Robert K. Coulson and Samuel M. Smith, " A Passive Sonar System Based On An Autonomous Underwater Vehicle", *IEEE Journal of Oceanic Engineering*, Vol. 26 No. 4, pp700-710, October 2001
- Stewart A.L. Glegg and William J. Devenport, "Proper Orthogonal Decomposition Of Turbulent Flows For Aeroacoustic and Hydroacoustic Applications", *Journal of Sound and Vibration*, Vol. 239(4), pp767-784, 2001
- Stewart A.L. Glegg, Joseph M. Riley and Joseph Cichock, "Experimental Measurements of Three Dimensional Underwater Sound Propagation" *Journal of Computational Acoustics*, Vol 9, No. 1 (2001) pp125-132
- S.A.L. Glegg, "The Response of a Swept Blade Row to a Three Dimensional Gust", *Journal of Sound and Vibration*, Vol 227(1) pp27-64, 1999

- K.S. Wittmer, W.J. Devenport and S A L Glegg, "The Effects of a Perpendicular Blade Vortex Interaction. Part 2: Influence of Vortex Strength, Blade Angle of Attack and Blade-vortex Separation", AIAA Journal, vol. 37, no. 7, pp. 813-817, July 1999.
- Stewart A.L. Glegg, Kenneth S. Wittmer, William J. Devenport and D.Stuart Pope, "Broadband Helicopter Noise Generated by Blade Wake Interactions", Journal of the American Helicopter Society, Vol. 44,no 4, pp293-301,October 1999. Also presented at the AHS Specialist meeting for Rotorcraft Acoustics and Aerodynamics, Williamsbug, VA, October 1997.
- S.A.L. Glegg and C. Jochault, "Broadband Self Noise from a Ducted Fan", AIAA Jnl. Vol. 36(8), pp1387-1395, September 1998. Also presented at the Third Joint CEAS/AIAA Aeroacoustics Conference, Atlanta, GA, May 1997.
- S.A.L. Glegg, "Airfoil Self Noise Generated in a Cascade", AIAA Jnl. Vol. 36(9), pp1575-1582, September 1998. Also presented at the Second Joint CEAS/AIAA Aeroacoustics Conference, State College, PA, May 1996.
- W. Devenport, C. Wenger, S.A.L. Glegg and J. Miranda, "Wave-Number Frequency Spectra in a Lifting Wake", AIAA Jnl. Vol. 36(6), pp881-887, June 1998. Also presented at the Third Joint CEAS/AIAA Aeroacoustics Conference, Atlanta, GA, May 1997.
- J. Riley, S.A.L. Glegg, R. Coulson and A. LaVigne "Experimental Measurements of the Array Bearing Error Caused by Bathymetric Refraction", IEEE Jnl. of Oceanic Engineering, Vol 22 (2) pp211-218, April 1997
- Stewart A.L. Glegg and Joe Riley "Three Dimensional Underwater Sound Propagation over Sloping Bottoms", Chapter in "Acoustic Interactions with Submerged Elastic Structures: Part III" Ed. A. Guran, A. DeHoop, D. Guicking and F. Mainardi, World Scientific, 2001
- K.S. Wittmer, W.J. Devenport, M. C. Rife and S.A.L. Glegg, "Perpendicular Blade Vortex Interaction", AIAA Jnl. Vol. 33(9), pp1667-1674, Sept. 1995. Also presented at the 32nd AIAA Aerspace Sciences meeting, Reno, NV January 1994
- S.A.L. Glegg, G.B. Deane and I.G. House, "Comparisons between theory and model scale measurements of three dimensional sound propagation in a shear supporting penetrable wedge", J. Acoust. Soc. Am. 94(3), October 1993
- Stewart A.L. Glegg, Allen Hundley, Joe Riley, Jianren Yuan and Herbert Uberall, "Laboratory Scale Measurements and Numerical Predictions of Underwater Sound Propagation Over a Sediment Layer", Journal of the Acoustical Soc. of Am., Vol 92(3), September 1992
- Michael J. Buckingham, Broderick V. Berkhout and Stewart A. L. Glegg, "Acoustic Daylight: Imaging the Ocean with Ambient Noise", Nature, March 26 1992 (Reviewed in the New York Times, April 21, 1992 and Scientific American, July 1992)
- Isaac Elishakoff, Pierre Elisseeff, and S.A.L. Glegg, ""Non-Probabilistic Modeling of Scatter in Material Properties for Vibration Analysis of Viscoelastic Structures"", AIAA Journal Vol 32(4) pp843-849, April 1994.
- S.A.L. Glegg "The Effective Depth Approximation for Sound Propagation in Shallow Water over a Sediment Layer and a Hard Rock Basement", Journal of the Acoustical Soc. of Am. 94(6) pp3302-3311, December 1993
- N. Attalla and S.A.L. Glegg, "A Ray Acoustics Approach to the Fuselage Scattering of Rotor Noise", Journal of the American Helicopter Society, Vol 38 (3) pp56-63, July 1993.
- N. Attalla and S.A.L. Glegg, "A Geometrical Acoustics Approach for Calculating the Effects of Flow on Acoustic Scattering", Journal of Sound and Vibration Vol 171(5) pp681-694, 1994.

- S.A.L. Glegg, "The Prediction of Blade Wake Interaction Noise Using a Turbulent Vortex Model", AIAA Journal Vol 29(10), pp1545-1551, October 1991.
- S.A.L. Glegg, "The Effect of Centerbody Scattering on Propeller Noise", AIAA Journal Vol 29(4), April 1991.
- S.A.L. Glegg and J.R. Yoon, "Determination of Noise Source Heights. Part I: The Measurement of Equivalent Acoustic Source Height Above a Reflecting Surface", Journal of Sound and Vibration Vol 143(1), pp 19-37, 1990
- S.A.L. Glegg and J.R. Yoon, "Determination of Noise Source Heights. Part II: Measurement of the Equivalent Source Height of Highway Vehicles", Journal of Sound and Vibration, Vol 143(1), pp 37-50, 1990
- S.A.L. Glegg and J.R. Yoon, "Experimental Measurements of Three-Dimensional Propagation in a Wedge Shaped Ocean with Pressure-Release Boundary Conditions", Journal of the Acoustical Soc. of Am., Vol 87(1), pp. 101-105, January 1990.
- S.A.L. Glegg, "Sound Radiation from an Airfoil Encountering an Oblique Gust in its Plane of Motion", AIAA Journal Vol 27(12), pp. 1820-1822, December 1989.
- S.A.L. Glegg, "The De-Dopplerization of Acoustic Signals Using Digital Filters", Journal of Sound and Vibration, Vol. 116(2), pp. 384-387, 1987.
- S.A.L. Glegg, "The Significance of Unsteady Thickness Noise Sources", AIAA Journal, Vol. 25(6), pp. 839-844, June 1987.
- S.A.L. Glegg, S.M. Baxter, and A.G. Glendinning, "Broadband Noise from Wind Turbines", Journal of Sound and Vibration, Vol. 118(2), pp. 217-239, 1987.
- S.A.L. Glegg, "Sound Radiation from Flexible Blades", Journal of Sound and Vibration, Vol 98(2), pp. 177-182, 1985.
- S.A.L. Glegg, Chapter 19, "Fan Noise" in "Noise and Vibration", Edited by R.G. White and J. Walker, Ellis Horwood, 1983.
- S.A.L. Glegg, "Sound Radiation from Beams at Low Frequencies", Journal of Sound and Vibration, Vol. 87(4) pp. 637-642, 1983.
- S.A.L. Glegg, "The Accuracy of Source Distributions Measured by Using Polar Correlation", Journal of Sound and Vibration, Vol. 80(1) pp. 31-40, 1982.
- M.J. Fisher, M. Harper-Bourne and S.A.L. Glegg, "Jet Engine Noise Source Location: The Polar Correlation Technique.", Journal of Sound and Vibration, Vol. 51(1), pp. 23-54, 1977.

Refereed Conference Publications

- N.Attalla and S. A. L. Glegg, "The Paraxial Ray Approximation applied to scattering problems involving moving acoustic sources", published in the proceedings of the 3rd IMACS symposium on Computational Acoustics, June 1991.
- Juan I. Arvelo, Jianren Yuen, Herbert Uberall, and Stewart A.L. Glegg, "Normal Mode studies of underwater sound propagation over a sediment covered ocean floor", published in the proceedings of the 3rd IMACS symposium on Computational Acoustics, June 1991.
- Allen Hundley, Stewart A.L. Glegg, Juan I. Arvelo and Herbert Uberall, "Numerical Modeling and Laboratory Experiments on Underwater Sound Propagation Over a Shear Supporting Bottom", Published in the proceedings of the Shear Waves in Marine Sediments Conference, SACLANT, La Spezia, Italy, October 1990, (ed. Hovem, Richardson and Stoll, Kluwer Academic Press).

S.A.L. Glegg and J.R. Yoon, "Model Experiments for Three-Dimensional Propagation Characteristics in a Wedge Shaped Ocean", ASME 11th Annual Energy Sources Technology Conference, New Orleans, 1988.

M.J. Fisher and S.A.L. Glegg, Conference on Time Series Analysis, Southampton, September 1977, "Source Location."

Invited Lectures

- David Taylor Naval Ship Research and Development Center, October, 1985; "Broadband Noise from Wind Turbines".
- NASA (Langley) Aeroacoustics Department, "Broadband Rotor Noise Prediction", March 1986.
- Stanford University, Applied Mechanics Department, "The Aeroacoustics of Helicopter Blades", October 1987.
- Bolt, Beranek and Newman, Applied and Computational Mathematics Lecture Series, "Sound Radiation from Airfoils of Finite Thickness Encountering Flow Discontinuities", March 1988.
- NORDA Seminar Series, "Three Dimensional Sound Propagation in a Wedge Shaped Environment", May 1988.
- Acoustical Society of America, Spring meeting 1989, "Measurement of the Equivalent Point Source Position for an Arbitrary Distribution of Sources".
- American Helicopter Society, "The Scattering of rotor noise by helicopter fuselages", May 1991
- 16th International Congress on Acoustics and the 135th Meeting of the ASA, Seattle WA, June 1998, "Experimental Measurements of Three Dimensional Underwater Sound Propagation over a Variable Bathymetry"
- Distinguished Keynote Address at the 6th International Conference on Sound and Vibration, Copenhagen, Denmark, July 1999, "Recent Advances in Aeroacoustics: The Influence of Computational Fluid Dynamics",
- Acoustical Society of America, Spring meeting 2000, "Methods for calculating the response of structures to turbulent flows".
- NASA Glenn Research Center and the Ohio Aerospace Institute, November 2000, Jet Noise Workshop: "Jet noise Source Location: A Review"
- University of California, Berkeley, May 2005, "Aero and Hydroacoustics"
- AeroAcoustics Research Consortium, Ohio Aerospace Institute, November 2006, "A Review of the AARC Engine Noise Phased Array Workshop, Cambridge MA, May 11-12 2006"
- Keynote Address at the 12th CEAS-ASC Workshop on Turbomachinery Broadband Noise, 23/24 October 2008, Bilbao, Spain, "The Effect of Blade Thickness and Angle of Attack on Broadband Fan Noise"

Conference Papers

- S. Glegg, B. Bryan, W. Devenport, and N. Alexander, "Noise from flow over Rough Surfaces", European Fluid Mechanics Conference, EFMC9, Rome Italy, September 2012
- S. Glegg, B. Bryan, W. Devenport, and M. Awasthi, "Sound Radiation from Forward facing Steps" presented at the 18th AIAA Aeroacoustics Conference, June 4-6, 2012, Colorado Springs, CO, AIAA paper number 2012-2050
- M. Morton, W. Devenport, W. Alexander and S. Glegg, "Rotor Inflow Noise Caused by a Turbulent Boundary Layer: Measurements and Noise Predictions" presented at the 18th AIAA Aeroacoustics Conference, June 4-6, 2012, Colorado Springs, CO, AIAA paper number AIAA-2012-2120
- S. Glegg, W. Devenport, and M. Morton "Rotor Inflow Noise Caused by a Turbulent Boundary Layer: Theory and Examples", presented at the 18th AIAA Aeroacoustics Conference, June 4-6, 2012, Colorado Springs, CO, AIAA paper no AIAA 2012-2263
- M. Awasthi, J. B. Forest, M. A. Morton, W. Devenport, S. Glegg, 2011, "The Disturbance of a High Reynolds Number Turbulent Boundary Layer by Small Forward Steps", 17th AIAA/CEAS Aeroacoustics Conference, June 6th-8th, Portland OR, AIAA-2011-2777.
- W. N. Alexander, W. Devenport, S. Glegg, 2011, "Aerodynamic Noise from Sparse Surface Roughness", 17th AIAA/CEAS Aeroacoustics Conference, June 6th-8th, Portland OR, AIAA-2011-2740
- Brian J. Tester, Gwenael Gabard and Stewart Glegg, 2011, "Spatially distributed models of broadband turbomachinery and jet exhaust noise for engine source breakdown processing of phased array measurements" 17th AIAA/CEAS Aeroacoustics Conference, June 6th-8th, Portland OR, AIAA-2011
- W. Alexander, W. Devenport, S. Glegg, M. Rasnick and R. van Buren, 2010, "Directivity and Generation of Noise from Discrete Elements in a Turbulent Boundary Layer", AIAA 16th AIAA/CEAS Aeroacoustics Conference, June 7th-9th 2010, Stockholm, Sweden. AIAA Paper 2010-3773
- M. Catlett, W. Devenport and S. Glegg, 2010, "Sound from boundary layer flow over steps and gaps", AIAA 16th AIAA/CEAS Aeroacoustics Conference, June 7th-9th 2010, Stockholm, Sweden. AIAA Paper 2010-3774
- S. Glegg and W. Devenport "Turbulence Modeling for Rotor Stator Interaction Noise" AIAA paper no AIAA-2010-3745, presented at the 16th AIAA/CAES Aeroacoustics Conference, Stockholm, June 2010
- S. Glegg and W. Devenport "The noise from flow over rough surfaces with small and large roughness elements", NOISE-CON 2010, April 19-21, Baltimore, MD
- W. Devenport, E. A. Wahl, Stewart A. L. Glegg, W. Nathan Alexander and Dustin L. Grissom, "Measuring Surface Pressure with Far Field Acoustics". AIAA paper no 2009-3281, presented at the 15th AIAA/CAES Aeroacoustics Conference, Miami, May 2009
- B. Tester and S. Glegg, "Review of Source diagnostic methods for static engine tests with phased arrays" AIAA Paper 2008- 2854, presented at the 14th AIAA/CEAS Aeroacoustics Conference, Vancouver, May 2008
- S. Glegg, B. Morin, O. Atassi, and R. Reba "Using RANS calculations to provide predictions of trailing edge noise" AIAA Paper 2008-2993, presented at the 14th AIAA/CEAS Aeroacoustics Conference, Vancouver, May 2008

- J.Staub, W. Devenport and S.Glegg, "Real airfoil effects on the sound radiated from airfoils immersed in grid generated turbulence" AIAA Paper 2008-3018, presented at the 14th AIAA/CEAS Aeroacoustics Conference, Vancouver, May 2008
- B. Smith, W. Alexander, D.Grissom, W. Devenport and S.Glegg, "Relationships between roughness noise and the near field pressure spectrum" AIAA Paper 2008-2904, presented at the 14th AIAA/CEAS Aeroacoustics Conference, Vancouver, May 2008
- S.Glegg, W. Devenport and J.Staub "Sound Radiation from Three Dimensional Airfoils in a Turbulent Flow", AIAA Paper 2008- 0052, presented at the 46th AIAA Aerospace Sciences Meeting, January 2008
- S.A.L. Glegg, W. Devenport, D. Grissom, and B. Smith "Rough Wall Boundary Layer Noise: Theoretical Predictions", AIAA Paper 2007- 3417 May 2007, presented at the 13th AIAA/CEAS Aeroacoustics Conference
- D. Grissom, B. Smith, W. Devenport and S.A.L. Glegg, "Rough Wall Boundary Layer Noise: an Experimental Investigation", AIAA Paper 2007- 3418 May 2007, presented at the 13th AIAA/CEAS Aeroacoustics Conference
- S.Glegg, J.Staub and W. Devenport "Leading Edge Noise", AIAA Paper 2006- 2424 May 2006, presented at the 12th AIAA/CEAS Aeroacoustics Conference
- W. Devenport, D. Grissom, and S.A.L. Glegg "Rough Wall Boundary Layer Noise", AIAA Paper 2006- 2409 May 2006, presented at the 12th AIAA/CEAS Aeroacoustics Conference
- D. Grissom, W. Devenport and S.A.L. Glegg "Measurements of a discrete upwash gust passing through a linear flat plate cascade", AIAA Paper 2005- 2959 May 2005, presented at the 11th AIAA/CEAS Aeroacoustics Conference
- Stewart Glegg, "High Frequency Sound Radiation from Fans with Transonic Tip Speed", AIAA Paper 2005- 2879, May 2005, presented at the 11th AIAA/CEAS Aeroacoustics Conference
- S.A.L. Glegg, N. Spitz and W J Devenport, CEAS/AIAA paper 2004-2911, " The Application of Proper Orthogonal Decomposition to Trailing Edge Noise", Tenth Joint AIAA/CEAS Aeroacoustics Conference, Manchester, UK, May 2004.
- S.A.L. Glegg, C. Roy and W J Devenport, CEAS/AIAA paper 2003-3292, " Noise generation by fans with supersonic tip speeds", Ninth Joint AIAA/CEAS Aeroacoustics Conference, Hilton Head, NC, May 2003.
- N. Spitz, W J Devenport and S.A.L. Glegg, CEAS/AIAA paper 2003-3291, "Predicting modes of a turbulent boundary layer for trailing edge noise calculations", Ninth Joint AIAA/CEAS Aeroacoustics Conference, Hilton Head, NC, May 2003.
- O. Bouquillion, S.A.L. Glegg, J. Larssen and W J Devenport, CEAS/AIAA paper 2003-3289, " The interaction of large scale turbulence with a cascade of flat plates", Ninth Joint AIAA/CEAS Aeroacoustics Conference, Hilton Head, NC, May 2003.
- W J Devenport and S.A.L. Glegg, CEAS/AIAA paper 2001-2241, "Modeling the two point space time correlation of turbulence in a fan wake type flow", Seventh Joint AIAA/CEAS Aeroacoustics Conference, Maastricht, The Netherlands, May 2001.
- S.A.L. Glegg, and W J Devenport, CEAS/AIAA paper 2001-2242, "Rotor stator interaction noise from blade wakes", Seventh Joint AIAA/CEAS Aeroacoustics Conference, Maastricht, The Netherlands, May 2001.
- S.A.L. Glegg and W J Devenport, CEAS/AIAA paper 2000-1995, " Compact Eddy Structures and their Application to Aeroacoustics", Sixth Joint CEAS/AIAA Aeroacoustics Conference, Maui, HI, June 2000.

- S.A.L. Glegg and R. Quant, "Very Broadband Signal Processing for Active Sonars" SPIE Conference, Orlando FL, April 2000
- M.R. Azimi-Sadjadi, S.A.L. Glegg and E.Dufour, "Multiple Target Localization using a Passive Volume Array and Adaptive Spectral Whitening Schemes" SPIE Conference, Orlando FL, April 2000
- W.J. Devenport, C Muthanna, R Ma and S A L Glegg, "A Measurement and Modeling of the Two-point Correlation Tensor in a Plane Wake for Broadband Noise Prediction" , First International Symposium on Turbulence and Shear Flow Phenomena, Santa Barbara, CA, September 12-15, 1999
- Stewart A.L. Glegg , "Recent Advances in Aeroacoustics: The Influence of Computational Fluid Dynamics", Distinguished Keynote Address at the 6th International Conference on Sound and Vibration, Copenhagen, Denmark, July 1999
- S.A.L. Glegg and N.Walker, CEAS/AIAA paper 99-1888, "Fan Noise From Blades Moving Through Boundary Layer Turbulence", Fifth Joint CEAS/AIAA Aeroacoustics Conference, Seattle, WA, May 1999.
- W.J. Devenport, C Muthanna, R Ma and S A L Glegg, "Characteristic Eddy Decompositions in Real and Model Turbulent Wakes", Symposium on Turbulence Structure, March 15-19, 1999, Cambridge University, UK
- W.J. Devenport, C Muthanna, R Ma and S A L Glegg, "Measurement and Modelling of the Two-Point Correlation Tensor in a Plane Wake for Broadband Noise Prediction", International Symposium on Turbulence and Shear Flow Phenomena, September 12-15, 1999, Santa Barbara, CA.
- Stewart A.L. Glegg, Joseph M. Riley and Antony LaVigne, "Experimental Measurements of Three Dimensional Underwater Sound Propagation over a Variable Bathymetry", 16th International Congress on Acoustics and the 135th Meeting of the ASA, Seattle WA, June 1998 (invited)
- Marc P. Olivieri, Stewart A. L. Glegg and Robert K. Coulson; " Measurements of Snapping Shrimp Colonies using a Wideband Passive Sonar", 16th International Congress on Acoustics and the 135th Meeting of the ASA, Seattle WA, June 1998
- K. Wittmer, W. Devenport, C. Wenger and S. Glegg, "Measurements and Analysis of the Two-Point Correlation Tensor", AIAA-98-2556, 29th AIAA Fluid Dynamics Conference, Albuquerque NM.
- U.Ganz, S.A.L. Glegg and P.Joppa, CEAS/AIAA paper 98-2316, "Measurement and Prediction of Broadband Fan Noise", Fourth Joint CEAS/AIAA Aeroacoustics Conference, Toulouse, France, June 1998.
- Robert K. Coulson, Stewart A. L. Glegg and Marc P. Olivieri;"A 3-D Ambient noise imaging sonar for an AUV" Oceanology International 98, Brighton UK, March 1998.
- Stewart A.L. Glegg and William J. Devenport , "Descriptions of Turbulence for Hydroacoustic Applications", presented at the 5th International Conference on Sound and Vibration, Adelaide, Australia, December 1997
- Stewart A.L. Glegg, Kenneth S. Wittmer, William J. Devenport and D.Stuart Pope, "Broadband Helicopter Noise Generated by Balde Wake Interactions". Presented at the AHS Specialist meeting for Rotorcraft Acoustics and Aerodynamics, Williamsbug, VA, October 1997.
- S.A.L. Glegg and C. Jochault, CEAS/AIAA paper 97-1612, "Broadband Self Noise from a Ducted Fan", Third Joint CEAS/AIAA Aeroacoustics Conference, Atlanta, GA, May 1997.

- C. Wenger, J. Miranda, W. Devenport and S.A.L. Glegg, CEAS/AIAA paper 97-1699, "Wave-Number Frequency Spectra in a Lifting Wake", Third Joint CEAS/AIAA Aeroacoustics Conference, Atlanta, GA, May 1997.
- S.A.L. Glegg, CEAS/AIAA paper 96-1739, "Airfoil Self Noise Generated in a Cascade", Second Joint CEAS/AIAA Aeroacoustics Conference, State College, PA, May 1996.
- M. Olivieri and S.A.L. Glegg, "A Broadband Image Processor for Noise Control Applications" InterNoise 95, Long Beach, CA, July 1995
- S.A.L. Glegg, CEAS/AIAA paper 95-021, "Broadband Noise from Fan Blades with Transonic Tip Speed", First Joint CEAS/AIAA Aeroacoustics Conference, Munich, Germany, June 1995.
- R. Burdisso, C.R. Fuller and S.A.L. Glegg, CEAS/AIAA paper 95-034, "An Analytical Study of Active Narrow Band Control of Turbofan Inlet Noise", First Joint CEAS/AIAA Aeroacoustics Conference, Munich, Germany, June 1995.
- S.A.L. Glegg, "Shock Associated Noise from Blades in Transonic Flow", Seventh International Symposium on Unsteady Aerodynamics and Aeroelasticity of Turbomachines, Fukoka, Japan, September 25-29, 1994.
- S.A.L. Glegg, Proceedings of the 3rd European Conference on Underwater Acoustics, Copenhagen, Denmark, July 1994, "The method of Images and Measurements of Three Dimensional Underwater Sound Propagation"
- K.S. Wittmer, W J. Devenport, M. C. Rife and S.A.L. Glegg, AIAA paper 94-0526, "Perpendicular Blade Vortex Interaction", 32nd AIAA Aerospace Sciences meeting, Reno, NV Jan 1994.
- S.A.L. Glegg, AIAA paper 93-4402, "Broadband Noise from Ducted Prop Fans", AIAA Aeroacoustics meeting, Long Beach, California, October 1993.
- S.A.L. Glegg, Noise 93, "Broadband Noise from Subsonic Ducted Prop Fans", St. Petersburg, Russia, May 1993.
- S.A.L. Glegg, NoiseCon 93, "Broadband Noise from Ducted Prop Fans generated by Blade Wakes", Williamsburg, VA, May 1993.
- H. Uberall and S. Glegg, "Models for Downslope Propagation applied to Tank and Field Experiments", Symposium on Shallow Water Undersea Warfare, Naval Research Laboratory, Stennis Space Center, MS, 25-27 February, 1992.
- S.A.L. Glegg and W.J. Devenport, "The Application of experimental data to blade wake interaction noise prediction", Sixth International Symposium on Unsteady Aerodynamics, Aeroacoustics and Aeroelasticity of Turbomachines and Propellers, University of Notre Dame, September 15-19, 1991.
- N. Attalla and S.A.L. Glegg, "A Ray Acoustics Approach to Fuselage Scattering of Rotor Noise", AIAA paper 90-4013 presented at the AIAA Aeroacoustics Conference, October 1990. Also published as an invited paper in the Proceedings of the 47th Annual Forum of the American Helicopter Society, May 1991.
- S.A.L. Glegg, AIAA paper 89-1134, "The Prediction of Blade Wake Interaction Noise Using a Turbulent Vortex Model", San Antonio, Texas, April 1989.
- S.A.L. Glegg, AIAA paper 87-2747, Sunnyvale, October 1987, "The Prediction of Helicopter Tail rotor Noise on the Flight Path".
- S.A.L. Glegg, AIAA paper 86-1964, Seattle, June 1986, "Broadband Propeller Noise Prediction in the Plane of the Rotor".
- S.A.L. Glegg, Proceedings of the 11th International Congress on Acoustics, Toronto, Canada, July 1986, "Noise from Wind Turbines"

- S.L. Merry and S.A.L. Glegg, West Pac 85, Hong Kong, "The Design of Laminar Flow Fans for Cooling Applications".
- S.L. Merry and S.A.L. Glegg, InterNoise 84, Honolulu, "The Aerodynamic and Noise Performance of Laminar Flow Fans".
- S.A.L. Glegg, Euromech 188, Fluid Loading and Fluid Structure Interactions, Leeds, England, Sept. 1984, "Sound Radiation from Flexible Blades"
- S.L. Merry, S.A.L. Glegg and A.G. Herbert, InterNoise 83, Edinburgh, "The Performance of Low Noise Laminar Fans".
- S.A.L. Glegg, P. Pack and B. Edwards, International Conference on Acoustics, Paris, July 1983, "Propeller Vibration".
- S.A.L. Glegg, Euromech 142, The Acoustics of Turbulent Flows, Lyon, France, Sept. 1981, "Sound Radiation from Flexible Blades."
- S.A.L. Glegg, Institute of Acoustics Conference on Noise Source Location, Nov. 1981, "The Application of Jet Noise Source Location Techniques to Three Dimensional Source Distributions".
- S.A.L. Glegg and C.R. Wills, Institute of Acoustics Spring Meeting, 1979, "High Speed Rotor Thickness Noise".

**Conference Presentations with published abstracts
(in addition to conference papers)**

- S. Glegg, B. Bryan, W. Devenport, and M. Awasthi, "Modeling Sound Radiation from Forward Facing Steps", IMECE 2012, Houston, Texas, November 2012
- Blake W, Kim K-H, Wang M, Devenport W and Glegg S, 2008, "Investigations of roughness-generated TBL sound using coupled physical-computational experiments in conjunction with theoretical development", Acoustics '08 (155th Meeting of the Acoustical Society of America), Paris, June 29th-July 4th, 2008 paper 2aNSa13 .
- Devenport W, Glegg S, Alexander N and Smith B, 2008, "The Mechanisms of Roughness Noise", Acoustics '08 (155th Meeting of the Acoustical Society of America), Paris, June 29th-July 4th, 2008 paper 1pNSa14
- Stewart A. L. Glegg, and W.J. Deveport; "Methods for calculating the response of structures to turbulent flows", presented at the 139th meeting of the Acoustical Society of America, May 2000(Invited)
- J. Riley and S.A.L. Glegg, "Extraction of modal amplitudes for the analysis of two and three dimensional underwater sound propagation" presented at the 139th meeting of the Acoustical Society of America, May 2000
- Stewart A. L. Glegg, and J.Cichock; " Measurements of Three Dimensional Sound Fields over Different Bottom Types ", presented at the 139th meeting of the Acoustical Society of America, May 2000
- Stewart A. L. Glegg, Marc P. Olivieri, and Robert K. Coulson; " Ambient noise maps of the near shore region ", presented at the 134th meeting of the Acoustical Society of America, Dec 1997.(presented by M. Olivieri)
- S.A.L. Glegg and Y.Auffret, "Bubble Size Distributions obtained from Ambient Noise Measurements" presented at the 132nd meeting of the Acoustical Society of America, November 1996

- J. Riley and S.A.L. Glegg, "Theoretical Investigation of the Array Bearing Error caused by Bathymetric Refraction" presented at the 132nd meeting of the Acoustical Society of America, November 1996
- S.A.L. Glegg, M. Olivieri and R. Coulson, "Global Directivity Measurements of Near Shore Ambient Noise" presented at the 131st meeting of the Acoustical Society of America, May 1996
- M. Olivieri, S.A.L. Glegg and R. Coulson, "Imaging of Passive Targets in Shallow Water using an Ambient Noise Acoustic Imaging System" presented at the 131st meeting of the Acoustical Society of America, May 1996
- J. M. Riley, S.A.L. Glegg, and G.B. Deane "Experimental Measurements of Three Dimensional Underwater Sound Propagation over a Variable Bathymetry Laboratory Scale Model" presented at the 130th meeting of the Acoustical Society of America, Nov. 1995
- S.A.L. Glegg, A. LeVigne, and J. M. Riley "Investigation of three dimensional bathymetric refraction using laboratory scale modeling." presented at the 129th meeting of the Acoustical Society of America, June 1995
- S.A.L. Glegg, R. Coulson and A. LeVigne "Downslope Sound Propagation Measurements in a laboratory scale model of the Santa Lucia escarpment" presented at the 127th meeting of the Acoustical Society of America, June 1994
- S.A.L. Glegg and M. Olivieri "A broadband signal processor for acoustic imaging using ambient noise" presented at the 127th meeting of the Acoustical Society of America, June 1994
- S.A.L. Glegg and G.B. Deane, "Comparisons between theory and model scale measurements of three dimensional sound propagation in a shear supporting penetrable wedge" presented at the 124th meeting of the Acoustical Society of America, October 1992
- Stewart A.L. Glegg, "The effective depth approximation for sound propagation in shallow water over a sediment layer and a hard rock basement", Presented at the 123rd meeting of the Acoustical Society of America, May 1992
- Michael J. Buckingham, Broderick V. Berkhout and Stewart A. L. Glegg, "Acoustic Daylight: Imaging the Ocean with Ambient Noise", Presented at the 123rd meeting of the Acoustical Society of America, May 1992
- R.M. Kennedy, Stewart A.L. Glegg and P. Elisseff "Acoustic Radiation Due to Wave Breaking", Presented at the 123rd meeting of the Acoustical Society of America, May 1992
- Allen J. Hundley and Stewart A.L. Glegg, "Laboratory scale measurements of low frequency underwater sound propagation over a sediment layer with a hard basement", Presented at the 121st meeting of the Acoustical Society of America, April 1991.
- Ian House and S.A.L. Glegg, "Measurements of the Effects of Bottom Slope on Sound Propagation in Shallow Water", Journal of the Acoustical Society of America, Vol. 88-S1, Nov. 1990.
- Allen Hundley and S.A.L. Glegg, "Experimental Studies of Sound Propagation Using a Scaled Marine Geoacoustic Model", Journal of the Acoustical Society of America, Vol. 87-S1, May 1990.
- S.A.L. Glegg, Allen Hundley and Ian House, "Measurement Techniques for Model Scale Experiments of Acoustic Propagation in the Ocean", Presented at Acoustics 90, Southampton, England, March 1990.
- S.A.L. Glegg and Ian House, "Experimental Results of Sound Propagation in a Penetrable Wedge with a Fluid Bottom", Journal of the Acoustical Society of America, Vol. 86-S1, November 1989.

- S.A.L. Glegg and J.R. Yoon, "Measurement of the Equivalent Point Source Position for an Arbitrary Distribution of Sources", Journal of the Acoustical Society of America, Vol. 85-SI paper I4, May 1989.
- S.A.L. Glegg and J.R. Yoon, "Measurements of Vehicle Noise Source Height for Noise Barrier Design", Journal of the Acoustical Society of America, Vol. 85-SI paper I7, May 1989.
- S.A.L. Glegg and J.R. Yoon, "Measurement of the Noise Source Height of Trucks" presented at the TRB Annual Meeting, Washington, D.C., January 1989.
- S.A.L. Glegg and J.M. Mouches, "The Application of Digital Filters to the De-Dopplerization of Acoustic Signals", Journal of the Acoustical Society of America, Vol. 84-SI, paper pp. 13, Nov. 1988.
- S.A.L. Glegg and R. Smart, "The Measurement of Noise Source Heights on Highway Vehicles", presented at the TRB Annual Meeting, Washington, D.C., January 1988.
- S.A.L. Glegg and J.R. Yoon, Journal of Acoustical Society of America, Vol. 82-SI, paper CCl, "Range Dependent Cut-on Frequencies in a Three-Dimensional Ocean Environment", November 1987.
- S.A.L. Glegg and R. Smart, Journal of Acoustical Society of America, Vol. 82-SI, paper Q6, "The Evaluation of Source Strength Using a Microphone Array Over a Hard Reflecting Surface", November 1987.
- S.A.L. Glegg, J. Kloske, C. Hansen and T.R. Johnson, Journal of Acoustical Society of America, Vol. 82-SI, paper XX6, "The Enhancement of Binaural Source Location by Scuba Divers", November 1987.
- S.A.L. Glegg, U.S. Army 2nd Technical Workshop on the Dynamics and Aeroelastic Stability Modeling of Rotorcraft Systems; "Quasi Periodic Inflow Turbulence Models for Helicopter Blade Dynamics", November 1987.
- S.A.L. Glegg and R. Smart, Air Pollution Control Association, "Measurement of Noise Source Heights on Highway Vehicles", June 1987.
- S.A.L. Glegg and J.R. Yoon, Journal of Acoustical Society of America, Vol. 81-SI, paper Q6, "Model Experiments for 3-D Propagation Characteristics in a Wedge Shaped Ocean", May 1987.
- S.A.L. Glegg, Journal of Acoustical Society of America, Vol. 78-SI, paper 05, Presented at the 110th Meeting of the A.S.A., "Broadband Rotor Noise in Atmospheric Turbulence". November 1985
- S.A.L. Glegg, 9th International Congress on Acoustics, Madrid, July 1977, "Some Theoretical Considerations of Far Field Source Location Techniques and their Application".

Graduate Students

List of Graduate Students

Masters

H. Defosse(1983)
A. Glendenning(1983)
A. Megas(1984)
P. Adamopoulos(1984)

Y. Yoon (1987)
R. Smart(1987)
C. Mouches(1988)
R. Coulson(1990)
A. Hundley(1990)
P. Elisseeff(1992)
J. Riley(1992)
M. Olivieri(1994)
F. Galetta(1996)
C. Jochault(1996)
J. Armstrong(1996)
C. Glynn(1997)
S. Van den Berg(1998)
C. Dufour(1999)
R. Pirie(2000)
R. Quant(2000)
J. Cichock(2000)
N. Walker(2002)
C. Bouquillion(2003)
C. Roy(2003)
J. Kerselec(2005)
C. Gomez(2006)
J. Blanc(2009)
J. Guerra(2011)
G. Kaufmann(2011)
R. Lippert(2012)
B. Bryan(2012)

PhD Students

Y. Yoon(1992)
N. Atalla(1991)
I. House(1991)
M. Olivieri(1997)

J. Riley(1999)

Research Grants

Grant Name	PIs	Sponsor	Start Date	End Date	Total Funding
Open Grid Bridge Deck Noise Mitigation & Skid Resistance	Reddy, D.V., Glegg, S.A.L., Cuschieri, J.	FDOT	6/1/92	8/31/94	\$259,825
Exploiting Sea Surface Sound/A Laboratory Scale Study of Three Dimension Underwater Sound Propagation	Glegg, S.A.L.	ONR (N00014-93-1-0004)	1/1/93	12/31/95	\$282,756
Vehicle Sub-Source Spectra for Noise Barrier Design	Glegg, S.A.L.	Federal Highway Administration	8/1/93	2/26/94	\$19,833
Development of a Turn-key System for the Rapid Acquisition, Analysis, & Presentation of Field Data for Vehicle Sub-Source Noise Spectra	Glegg, S.A.L.	USDOT	3/1/94	12/31/94	\$23,354
Vehicle Noise Emission Source Height	Glegg, S.A.L.	FDOT	9/1/94	11/17/96	\$178,584
Using AUV's & Sources of Opportunity to Evaluate Acoustic Propagation	Glegg, S.	ONR (N00014-96-1-5017)	1/1/96	3/31/01	\$596,945
Laboratory Scale Modeling of Underwater Sound Propagation	Glegg, S.	ONR (N00014-96-1-0992)	5/1/96	5/1/99	\$95,142
Verification Prediction Method for Broadband Noise from Ducted Fans	Glegg, S.	NASA	1/1/96	2/28/98	\$36,018
Broadband Fan Noise from Turbulent Vortical Flows Incident on Stator Vanes (NAG 1-1993)	Glegg, S.	NASA-Langley	1/15/98	4/14/00	\$142,018
The Interaction of Inflow Turbulence with a Cascade of Propulsor Blades	Glegg, S.	VPI	1/4/99	1/3/01	\$17,500
Aeroacoustics Program	Glegg, S.	United Technologies	11/2/99	4/30/00	\$20,000

Development and Modeling of Systems for Source Tracking in Very Shallow Water	Glegg, S.	ONR (N00014-96-1-5017) (090)	1/1/96	3/31/01	\$271,043
Modeling of the Unsteady Internal Flows in Aeroengines for Noise Prediction Codes	Glegg, S.	NASA-Glenn Research Center (NAG 3-2319)	1/1/00	3/31/01	\$50,000
Modeling and Evaluation of Bi-Static Tracking in Very Shallow Water	Glegg, S.	ONR (N00014-98-1-0861)	12/1/00	6/30/05	\$287,751
Fan Self Noise Prediction for Pratt & Whitney	Glegg, S.	Pratt & Whitney	1/1/06	12/31/06	\$54,000
Center for Coastline Security (CCST)	Glegg, S.	ONR (N00014-05-C-0031)	5/10/06	5/9/07	\$227,386
Phased Array Workshop Overview	Glegg, S.	AeroAcoustics Research Consortium	5/1/06	12/31/06	\$4,038
Center for Coastline Security (CCST)	Glegg, S.	ONR (N00014-05-C-0031)	1/4/07	5/3/08	\$261,856
Development and Assessment of Engine Noise Source Diagnostic Methods for Static Engine Tests, Including Phased Array and Polar Correlation Techniques	Glegg, S.	Aeroacoustics Research Consortium (AARC) OAI	12/1/07	12/31/11	\$100,465
Using RANS Calculations of Turbulent Kinetic Energy to Provide Predictions of Two Point Flow Velocity Correlations and Surface Pressure Spectra	Glegg, S.	ONR (N00014-08-1-1122)	7/14/08	12/31/11	\$141,214
The Mechanisms of Roughness Noise	Glegg, S.	Virginia Tech	7/1/08	12/31/12	\$130,639
Blade Blocking & It's Influence on Large Scale, High Reynolds Number Turbulence Convecting Through a Cascade of Blades	Glegg, S.	ONR (N00014-01-1-0482)	3/1/01	4/30/04	\$161,581
A Proposal for the Enhancement of Autonomous Marine Vehicle Testing in the South Florida Testing Facility Range 2001-2002	Glegg, S.	ONR (N00014-98-1-0861)	1/1/02	8/31/05	\$201,562

Noise Generated by Fans with Supersonic Tip Speed	Glegg, S.	NASA - ONR (NAG3-2702)	1/1/02	8/31/05	\$640,840
HQ Tube Evaluation	Glegg, S.	Goodrich (Arrow Structures Div.)	7/1/03	9/30/03	\$1,000
Center for Excellence in Biomedical and Marine Biotechnology	An, E. & Glegg, S.	State of Florida	9/1/03	12/31/05	\$14,142
Blade Blocking & It's Influence on Large Scale Flow Structures Convecting Through a Cascade: Theoretical Study	Glegg, S.	ONR (N00014-04-1-0372)	4/1/04	9/30/05	\$65,015
Center for Coastline Security Technology (CCST)	Glegg, S.	ONR (N00014-4-1-0615)	6/1/04	5/30/05	\$48,844
Measurement & Characterization of Sound Generated by Airboats	Glegg, S. Masory, O.	Fla Fish & Wildlife (FWC Contract #04114)	10/29/04	9/30/05	\$100,000
Center for Coastline Security Technology (CCST)	Glegg, S.	ONR	1/1/05	5/31/05	\$315,000
A Theoretical Study of Leading Edge Noise	Glegg, S.	ONR (N00014-05-1-0463)	4/1/05	3/31/08	\$64,933
Roughness Noise Proposal	Glegg, S.	Virginia Tech	4/1/05	10/31/08	\$48,033
Center for Coastline Security (CCST)	Glegg, S.	ONR (N00014-05-C-0031)	6/8/05	6/7/06	\$48,763
Fan Self Noise Prediction for Pratt & Whitney	Glegg, S.	Pratt & Whitney	6/27/05	12/31/06	\$40,250
A Theoretical Study of Leading Edge Noise: Non Linear and Viscous Effects	Glegg, S.	ONR (N00014-05-1-0463)	3/5/07	3/31/08	\$36,500
Distorted Turbulent Flow in a Shear Layer	Glegg, S.	ONR (N00014-10-1-0910)	6/28/10	8/31/13	\$309,621
DOR - Researcher of the Year 2010-11	Glegg, S.	FAU	7/1/11	6/30/12	\$5,000

The Hydroacoustics of Flow Over
Beveled Steps and Gaps (Step
Flow)

	Glegg, S.	ONR (N00014- 12-1-0373)	2/1/12	1/31/15	\$105,000
ROY 2011-12	Glegg, S.	DOR			\$3,186
COET - Turbine Noise	Frisk, G. & Glegg, S.	State of Florida			\$74,614