

Exhibit CS-SR-1

Resume of Scott Reynolds

Scott D. Reynolds, PE

Manager, CAES Group of M/E Engineering, PC
Experience: Since 1979

Education and Professional Qualifications:

Scott Reynolds graduated from the University of Rochester, Rochester NY with a MS degree in Mechanical and Aerospace Engineering in 1984. He completed his BS degree in Mechanical and Industrial Engineering from Clarkson University, Potsdam NY in 1979. Scott is a registered professional engineer in the states of New York and New Jersey.

Education and Professional Qualifications:

Scott D. Reynolds is a senior engineer, manager and the founder of Computer Aided Engineering Solutions (CAES). Since 1992, Scott has been involved in the computer modeling of room ventilation in buildings and the dynamics of air flowing around their exteriors. In this time, he has been the primary analyst on more than 600 projects worldwide. Scott uses an advanced computer modeling technique known as Computational Fluid Dynamics (CFD) to accurately assess, in three dimensions, the air flow dynamics, air quality, temperatures, and the dispersion of airborne chemicals or particulates inside and outside buildings, and over complex topology. This technique is recognized by scientists and engineers as the best available tool to solve for the physics of airflow problems, but is only performed full-time by a small number of firms throughout North America.

Scott has used CFD to solve for the fluid dynamics of a very large range of problems, from large domains (several miles across) to nearly microscopic volumes. The focus is mainly on air quality of the indoor and outdoor environments which includes: wind induced chemical dispersion around college campuses, industrial buildings and urban settings, air quality modeling of cleanrooms, chemistry labs, fumehoods, offices, animal holding facilities for pharmaceutical and medical research, surgery areas, fusion research buildings, computer rooms, sports stadiums, and aircraft hangars to mention a few.

In 2006, the CAES namesake was brought to M/E Engineering, PC which has four offices in upstate New York. Scott successfully integrated the computer modeling business with M/E Engineering's mainline business of mechanical, electrical, and plumbing design plus commissioning services. The CAES group continues to evaluate all facets of ventilation and environmental dispersion for a very diverse spectrum of clientele across many different disciplines worldwide.

In 1999, Scott brought CAES to the local Binghamton NY consulting firm of Bearsch Compeau Knudson Architects and Engineers, PC. Through this arrangement, Scott was effectively able to provide a wide range of services previously not available through CAES alone. The services included both CFD and Finite Element modeling, radon assessment and mitigation, asbestos assessment and abatement, full architectural/engineering services, and construction management.

Additionally in 1999, Scott served as an adjunct professor teaching basic computer literacy at Elmira College.

In 1992, Scott left IBM Endicott NY and formed a small CFD engineering firm, Computer Aided Engineering Solutions (CAES), specializing in the numerical analysis of building environments, wind studies and electronics cooling. The business continued until 1999.

From 1984 to 1992, Scott was an advisory engineer at the IBM Corporation in Endicott NY. He served as an IBM worldwide internal consultant providing computer models of electronics packages to assess their reliability, mechanical function and resistance to thermal, vibrational or mechanical damage. Both CFD and FEA software were used. While at IBM from 1984 to 1992, he published 2 trade articles, 24 internal articles and received 6 patents and 9 invention disclosures.

From 1981 to 1984, Scott served as an advanced technology engineer at the Xerox Corporation in Rochester NY. His primary duties were internal consulting in the areas of computer modeling, heat transfer and experimental materials selection. He also invented, designed, prototyped and tested new concepts within the fusing subsystem of copier products. He filed one patent at Xerox.

From 1979 to 1981, Scott worked in the gas turbine division of the General Electric Corporation in Schenectady NY. His primary duties there were to perform stress and deflection analysis on large support structures, air filtration design, acoustical treatment and heat transfer analysis for heavy-duty commercial gas turbines worldwide.

Partial list of clients:

- Amphenol Connector Division for Boeing
- ARINC for American Railroad Association
- Astra Zeneca Pharmaceuticals
- Allentown Caging Company
- American Pharmaceutical Partners
- Austin Company, The
- G. A. Braun, Inc.
- Bristol-Myers Squibb Pharmaceuticals
- Brown and Williamson Corp.
- Corning Glass Inc.
- Cornell University
- CUH2A
- Dallas Cowboys
- Ewing, Cole, Cherry Brott Architects
- HOL&T Architects
- Glaxo-SmithKline
- W.L. Gore Associates
- The Jackson Laboratory
- Jennsen Pharmaceutica
- J. Posey Associates
- Keller & Gannon
- Kerr-Greulich Engineers, Inc.
- Kreuger
- Labconco
- Lab Products Inc.
- Lawrence Livermore National Laboratories
- Lenderking Caging Products
- McGuire Airforce Base
- M/E Engineering
- Merck and Company, Inc.
- Merck Frost Canada
- Organon
- Phillip Morris USA
- National Institutes of Health
- Ralph M. Parsons Co., for the DOE, Lawrence Livermore National Lab & Univ. of California
- Rubbermaid, Inc.
- Pass & Seymour legrand
- Pfizer Corporation
- Pharmacia Corp.
- Raytheon Engineers & Constructors for Merck & Company
- Rosser International, Inc. for Lockheed Aeronautical Systems Co.
- Saint Jude Children's Research Hospital through SHG Inc.
- Sandoz Pharmaceuticals
- Schering Plough
- Sloan Kettering
- Smith Group (SHG)
- SmithKline Beecham Pharmaceuticals
- SmithKline Beecham Biologicals s.a.
- Specialty Testing and Equipment, Inc.
- Sterling Winthrop Pharmaceuticals
- The Kling-Lindquist Partnership
- University of California, Irvine
- University of Louisville
- University of Michigan, Ann Arbor
- University of Rochester
- Vander Weil Engineers for Boehringer-Ingelheim
- Walter Reed Army Institute of Research

Workshops, Seminars and Classes:

Since 1992, Scott has published 21 trade articles and presented a combination of 53 seminars, workshops, posters and graduate level classes with respect to CFD in the building industry.

1. New York City, NY CD-Adapco Workshops: *M/E Engineering's Experience with STAR-CCM+*, February 2014.
2. Houston, TX Annual STAR-CCM+ User's Conference: *Using STAR-CCM+ for Wind Dispersion Studies*, March 2013
3. Minneapolis, MN National AALAS Conference: *Laboratory Animal Allergy Management through Alternate Engineering Controls and Its Evaluation with Computational Fluid Dynamics*, November 2012.
4. Rochester, NY Annual Engineering Symposium: *Comparison of CFD to Other Wind Modeling Techniques*, April 2012.
5. Buffalo, NY NYSPE & ASHRAE Engineering Professional Development Workshops: *CFD Modeling of Indoor and Outdoor Environments*, February 2012.
6. Buffalo, NY NYSPE Erie-Niagara Chapter Engineer's Week Professional Development Workshops: *The Many Facets of CFD in the Building Design and Construction Industry*, February 2011.
7. Boston CD-Adapco Hosted Lunch Seminars: *Experience with Star-CCM+ in the Building Industry Directed Toward Architects*, February 2011.
8. New York City CD-Adapco Hosted Lunch Seminars: *Experience with Star-CCM+ in the Building Industry With a Focus on Energy Conservation*, February 2011.
9. Phoenix National Energy, Utility & Environment Conference (EUEC): *Reducing Energy in Research Facilities While Potentially Improving Air Quality*, February 2011.
10. Denver National AALAS Conference: *Reducing Energy Use in Laboratory Animal Facilities While Potentially Improving Indoor Air Quality*, November 2009.
11. Indianapolis National Labs for the 21st Century Conference: *Using Computational Fluid Dynamics to Wring Out Energy Efficiency in Laboratories at Cornell University*. Co-authored study that was presented by A.C. Straub and W.S. Joyce. September 2009
12. Charlotte National AALAS Conference, Workshop: *Effective Lab Animal Holding Room Design: Indoor Air Quality and Ventilation*, October 2007.
13. Boston Turn Key Conference: *How to Improve Holding Room Ventilation While Saving Energy*, April 2007.
14. Rochester Engineering Symposium, Workshop: *An Introduction to Computational Fluid Dynamics in the Building Industry*, April 2007.
15. San Antonio National Labs for the 21st Century Conference: *Greening of Yesterday's Laboratories: Using The Concepts of "Cradle To Cradle"*, October 2006.
16. Montreal National CALAS Meeting, Workshop: *Management of Laboratory Animal Allergens*, May 2006.
17. St. Louis National AALAS Conference, Round Table: *Design of Research Animal Facilities for Infectious Studies (BL-3) including Bio-Defense Studies: Application of Computational Fluid Dynamics (CFD) for Containment Evaluation*, November 2005.
18. St. Louis National AALAS Conference, Seminar: *Management of Laboratory Animal Allergy*, November 2005.
19. Ottawa National Laboratory Knowledge Network, Fall Workshop: *Simulation Numerique de la Dynamique des Fluides (SNDF) Appliquee a al Conception de Laboratoires*

[Computational Fluid Dynamics (CFD) as Applied to Laboratory Design], October 2005.

20. Portland National Labs for the 21st Century Conference: *Balancing Safety and Energy Efficiency from Lab Design through Operation*, October 2005.
21. St. Louis National Labs for the 21st Century Conference, Seminar: *Qualifying Your Laboratory Design Using Virtual Reality Methods Before Construction*, October 2004.
22. Tampa National AALAS Conference, Seminar: *Exposure to Laboratory Animal Allergens and the Effects of Various Controls on Both Animals and Caregivers*, October 2004.
23. Tucson National ACLAM Conference, Workshop: *Engineering of Laboratory Animal Facilities*, September 2004.
24. Nashville National AHSRAE Conference, Seminar: *Computer Modeling of Labs for Environmental Control*, June 2004.
25. Seattle National AALAS Conference, Workshop: *Designing Facilities with Optimal Room Utilization and Indoor Environments for Your Animals*, October 2003.
26. San Antonio National AALAS Conference, Workshop: *Effective Ventilation Design and Indoor Air Quality for Lab Animal Facilities*, October 2002.
27. Laboratories for the 21st Century Conference (Sponsored by the US Environmental Protection Agency and the US Department of Energy), *The Design Evolution of a High-Efficiency, Low-Flow Fume Hood*; Durham, NC, October 2002.
28. The CDC's Seventh Annual Symposium on Bio-safety: *Using CFD in the Design of Animal Facilities where the Containment and Control of Airborne Contamination is Critical*, Atlanta GA, January 2002.
29. Baltimore National AALAS Conference, Workshop: *Innovative Methods for Controlling Exposure to Laboratory Animal Allergens*, October 2001.
30. Baltimore National AALAS Conference, Round Table Discussion: *Animal Resource Facilities Expansion and Renovation*, October 2001.
31. San Diego National AALAS Conference, Workshop: *Planning, Designing and Building Small Animal Surgery Suites*, November 2000
32. Laboratories for the 21st Century Conference (Sponsored by the US Environmental Protection Agency and the US Department of Energy), *CFD used in Labs with Fume Hoods*; San Francisco, CA, September 2000
33. Tradeline Technical Seminar, *Planning Your Ideal Animal Holding Room*; Hilton Head, SC, November 1999
34. Cincinnati National AALAS Conference, Seminar: *Laboratory Animal Allergy; Managing the Problem*, October 1998
35. Anaheim National AALAS Conference, CFD Workshop: *Laboratory Animal Allergies: Facility and Occupational Issues and Solutions*, November 1997
36. American College of Laboratory Animal Medicine Conference, Workshop: *Demonstration of Computer Aided Flow Design Airflow Models to Improve the Design, Performance and Commissioning Process of a Lab Animal Facilities*; Orange Beach, AL, May 1997
37. CFD graduate level unit at John Hopkins University; Baltimore, MD, April 1997
38. CFD course, AIA accredited unit at Ewing Cole Cherry Brott Architects and Engineers; Philadelphia, PA, April 1997
39. Minneapolis National AALAS Conference, CFD Workshop: *An Insight into HVAC System Design for the Non-Engineer*, November 1996
40. Tradeline Technical Seminar: *New Plans for Animal Research Facilities; The Impact of Ventilated Caging Systems on Room HVAC*; San Francisco, Ca, December 1996.
41. Baltimore National AALAS Conference, CFD Seminar: *Laboratory Animal Environments: A Methodology for Systematically Evaluating Airflow and Vivarium Designs with*

Computer Simulations; October 1995

42. Baltimore National AALAS Conference, CFD workshop: *An Insight Into HVAC System Design for the Non-Engineer; October 1995*
43. CFD class at Hahnemann University, Philadelphia, PA, April 1995
44. Rochester ASHRAE Regional Meeting, CFD used for *Tuberculosis Isolation Rooms; November 1994*
45. Pittsburgh National AALAS Conference, CFD workshop: *Computer Simulation of Dynamic Air Flows and Environmental Parameters for Designing Research Animal Facilities; October 1994*
46. Pittsburgh National AALAS Conference, CFD seminar: *Microbiological Containment Systems: Reconciling Theory and Reality; October 1994*
47. Tradeline breakout session workshop at Capital Hill, *New Approaches to Airflow Modeling; August 1994*
48. AALAS Tri Branch Symposium workshop on CFD, *Validation of Computer Aided Design in a New Vivarium Mock Up Facility, June 1994*
49. AALAS Tri-Branch Symposium seminar on CFD, *The Use of Computer Aided Designs and Modeling in the Design and Construction of a New Canine Facility, June 1994*
50. CFD class at Hahnemann University, Philadelphia, PA, April 1994
51. Nashville National AALAS Conference, CFD workshop: *Computer Simulation of Dynamic Air Flow Patterns for the Design of Laboratory Animal Research Facilities; November 1993*
52. Tradeline technical Seminar at New Brunswick NJ, *SmithKline Beecham New Kennel Facility: Airflow Modeling with CFD; October 1993*
53. Tri-State Veterinarian Workshop, Collegeville, PA, January 1993

Publications:

1. **Dynamics Magazine**, *Don't Get Exhausted: Use CFD*, Issue 35, 2014.
2. **Dynamics Magazine**, *M/E Engineering: Deploying CFD for Wind and Chemical Dispersion Analyses*, Issue 35, 2014
3. **Dynamics Magazine**, *Ventilating Cornell University's Biotechnology Laboratory*, Issue 34, 2013.
4. **Animal Lab News**, *Green and Lean: Methods of Improving Lab Animal Room Ventilation*, July/August Issue 2009.
5. **ALN Europe**, *Green and Lean: Methods of Improving Lab Animal Room Ventilation*, January 2009.
6. **Planning and Designing Research Animal Facilities**, Chapter 35, *Using CFD in Laboratory Animal Facilities*, Published December 2008.
7. **Pharmaceutical Engineering**, *Incubator Design for Optimal Heat Transfer and Temperature Control in Plastic Bioreactors*, January/February, 2003 – voted one of the top 6 best articles of the year for 2003.

8. **Engineered Systems Magazine**, *Go with the Flow*, Vol. 17, No. 7, July 2000.
9. **Fluent Software User's Journal**, *Computer Simulation Optimizes Airflow Design in a Non-Rectangular Animal Room*, JA100, November 1999.
10. **Laboratory Animals, The International Journal of Laboratory Animal Science and Welfare**, *Advances in Cubicle Design Using Computational Fluid Dynamics as a Design Tool*, No. 32, 1998
11. **Pharmaceutical Engineering**, *A Comparison of the Effects of State-of-the Art Diffusers on animal Room Ventilation*, May/June 1998
12. **Contemporary Topics in Laboratory Animal Science, AALS publication**, *The Influence of Position and Orientation of Racks on Airflow Dynamics in a Small Animal Room*, September 1997
13. **Scandinavian Journal of Laboratory Animal Science**, *Designing Animal Rooms to Optimize Airflow Using Computational Fluid Dynamics*, No. 1. 1996. Vol. 23
14. **Pharmaceutical Engineering**, *Designing Animal Rooms to Optimize Airflow Using Computational Fluid Dynamics*, March/April 1996.
15. **Contemporary Topics in Laboratory Animal Science, AALAS publication**, *Use of Computational Fluid Dynamics to Assess Air Distribution Patterns in Animal Rooms*, October 1995.
16. **Contemporary Topics in Laboratory Animal Science, AALAS publication**, *The Use of Computational Fluid Dynamics (CFD) for Modeling Airflow Design in a Kennel Facility*, March 1995.
17. **American Biotechnology Laboratory Magazine**, *HVAC-Oriented Computational Fluid Dynamics Systems*, November 1994.
18. **Engineering News Record**, *In a Whirl over Forecasting Indoor Airflow*, (contributor) October 1994.
19. **Lab Animal Magazine**, *The Use of Computational Fluid Dynamics (CFD) in the Design and Optimization of Airflow Patterns in a Laboratory Animal Facility*, October 1994.
20. **Facilities Planning News**, Tradeline publication, *Breathing Easier at SmithKline Beecham*, Vol. 13, No. 6, June 1994.
21. **Clean Room Magazine**, *Computational Fluid Dynamics Enhances Cleanroom Airflow Modeling*, Vol. 8, number 6, June 1994.
22. **Engineered Systems Magazine**, *CFD Modeling Optimizes Contaminate Elimination*, Vol. 11, No. 2, Feb. 1994.

Professional Organizations:

- ASHRAE
- IEEE
- AALAS