Donald P. Visco, Jr

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Education

- Ph.D. State University of New York at Buffalo (1999)
- B.S. State University of New York at Buffalo (1992)

Professional Experience

- University of Akron *Associate Dean of Undergraduate Studies* (2011 – Pre)
- Tennessee Technological University *Associate Dean of Engineering* (2010 – 2010)
- Tennessee Technological University *Professor of Chemical Engineering* (1999 – 2010)
- Tennessee Technological University *Graduate Program Coordinator* (2008 – 2010)
- Tennessee Technological University *Undergraduate Program Coordinator* (2003 – 2008)
- Sandia National Laboratories *University Summer Faculty Program* (2001, 2002)

Honors and Awards (7 of 28 total)

- ASEE Martin Award, ChE Division (2011)
- ASEE PIC V, Outstanding Paper Award (2010)
- ASEE National Outstanding Teaching Award (2009)
- Distinguished Faculty Fellow, Tennessee Tech (2007)
- Ray E. Fahien Award, ASEE, ChE Division (2006)
- Dept. of Energy PECASE (2004)
- Sigma Xi Research Award, Tennessee Tech (2002)

Refereed Journal Publications (9 of 41 total)

- D. Weis and D. P. Visco, Jr, "Computer-Aided Molecular Design Using the Signature Molecular Descriptor: Application to Solvent Selection", *Comput. & Chem. Eng.*, **34**, 1018 – 1029 (2010).
- J. Keith, D. Silverstein and D. P. Visco, Jr. "Ideas to Consider for Chemical Engineering Educators Teaching a New "Old" Course: Foundation Courses", *Chem. Eng. Ed.*, **43**, 207 – 215 (2009).
- S. Yelisetty and D. P. Visco, Jr., "Solubility of HFC32, HFC125, HFC152a, and HFC143a in Three Polyols", *J. Chem. Eng. Data*, **54**, 781 – 785 (2009).
- A. Lucia, L. Octavio and D. P. Visco, Jr. "Modeling Association in the SAFT Formalism", *Comput. & Chem. Eng.*, **33**, 531 – 533 (2009).
- J. Jackson, D. Weis and D. P. Visco, Jr., "Potential Glucocorticoid Receptor Ligands with Pulmonary Selectivity using I-QSAR with the Signature Molecular Descriptor", *Chem. Bio. & Drug Design*, **72**, 540 – 550 (2008)

- D. Weis, D. P. Visco, Jr. and J. L. Faulon, "Data Mining PubChem Using a Support Vector Machine with the Signature Molecular Descriptor: Classification of Factor X1a Inhibitors", *J. Molec. Graph. & Model*, **27**, 466 – 475 (2008).
- S. Swaminathan, D. P. Visco, Jr. and S. Sen, "Detection of Shallow Inclusions in Closed-Packed Granular Beds using Mechanical Impulses", *Applied Phys. Lett.*, **90**, 154107/1 – 154107/3 (2007)
- B. Baburao and D. P. Visco, Jr., "Isothermal Compressibility Maxima of Hydrogen Fluoride in the Super Critical and Super Heated Vapor Region", *J. Physical Chemistry B*, **110**, 26204 –26210 (2006)
- S. Dube and D. P. Visco, Jr., "A Survey of the Graduate Thermodynamics Course in Chemical Engineering Departments across the United States", *Chem. Eng. Ed.* **39**, 258 – 263 (2005).

Book Chapters (2 of 3 total)

- D. P. Visco, Jr., "Chapter 9: Computer-Aided Molecular Design Algorithms", Handbook of Cheminformatic Algorithms , CRC Press, (2010).
- J. L. Faulon, D. P. Visco, Jr. and D. Roe, "Enumerating Molecules", Reviews in Computational Chemistry, Vol. 21, John Wiley and Sons, (2005).

Refereed Conference Proceedings (2 of 15 total)

- D. P. Visco, Jr., D. Schaefer, T. Utschig, J. P. Mohsen , N. Fortenberry, M. Prince and C. Finelli, "Preparing for Participation in SPEED: An ASEE Initiative for a Nationally Recognized Development Program For Engineering Educators", ASEE Annual Meeting and Exposition Proceedings, 2010
- P. Arce and D.P. Visco, Jr.., "A Freshman Course in Chemical Engineering: Merging First-Year Experiences with Discipline-Specific Needs", ASEE Annual Meeting and Exposition Proceedings, 2006.

Presentations (115 total; 18 invited)

Professional Activities

- *American Institute of Chemical Engineers*
    - Programming Chair, Area 4 (2010 – 2011)
    - 1st Vice Chair, Education Division, (2009 – Present)
    - Vice Chair, Group 4 [Education], (2008)
    - Chair, Area 4a [Undergraduate Education] (2008)
    - Vice Chair, Area -4a [Undergraduate Education] (2005 – 07)

- *American Society for Engineering Education*
    - National Engineering Economy Award Committee (2010 – 2011)
    - Member, SPEED Working Group, (2009 – Present)
    - Chair, *Chemical Engineering Division* (2008)
    - Co-Chair, Awards Committee, *Chemical Engineering Division* (2006)
    - Chair, *New Engineering Educators Division* (2005)
    - Program Chair, *New Engineering Educators Division* (2004)

- Chair, *Programs Unit* – SE Section (2008)
- Technical Program Chair, SE Section Annual Meeting (2007)
- Chair, *Publications and Promotions Unit* – SE Section (2006)
- Chair, *Chemical Engineering Division – SE Section* (2003,2004)
- TTU Campus Representative (2000 – 2010)

Conference Session Organizer (24 sessions)

Paper Reviewer/Funding Agency Reviewer

Computers and Chemical Engineering, Industrial and Engineering Chemistry Research, Fluid Phase Equilibria, Thermochemica Acta, Journal of Chemical and Engineering Data, Journal of Thermodynamics, Chemical Engineering Education, ASEE Annual Conference, American Chemical Society, National Science Foundation, US-Israel Bi-National Science Foundation

Grants Awarded ($2.2 million as PI/co-PI)

Courses Taught (19 unique courses from undergraduate freshman to Ph. D.-level)

Research Students Advised to Graduation

- 3 Ph. D.
- 13 M.S.
- 21 Undergraduate Research