

- EXPERIENCE**     *Research Professor, Department of Physics,  
Northern Illinois University, DeKalb, IL* **since 2015**
- Professor of Physics, NSCL and Department of Physics and Astronomy,  
Michigan State University, East Lansing, MI* **2010-2015**
- Scientist, Accelerator Division, Fermilab, Batavia, IL* **1985-89; 98-2010**
- Assistant Head, Accelerator Division (2005 to 2010)
  - Head, Beam Physics Department (1999 to 2004)
- Scientist, Brookhaven National Lab., Upton, NY* **1994-98**
- Project Manager, RHIC Polarized Proton Collider project
  - Accelerator Physicist, Alternating Gradient Synchrotron Department
- Scientist, SSC Laboratory, Dallas, TX* **1989-94**
- Head, Accelerator Theory Group (1991-94)
- EDUCATION**     *B.S. in Education, Indiana University, Bloomington, August, 1979*  
*M.S., with distinction, De Paul University, Chicago, June, 1984*  
*Ph.D., University of Illinois at Chicago, Chicago, June, 1987*
- PUBLICATIONS**     *Selected Publications (Total Publications: >150. Invited Talks since 2008: 12)*
- *D.A. Edwards, M.J. Syphers, An Introduction to the Physics of High Energy Accelerators, John Wiley & Sons, NY (1993).*
  - *M.J. Syphers and F. Zimmermann, Accelerator Physics of Colliders, in C. Patrignani et al. (Particle Data Group), Chin. Phys. C, **40**, 100001 (2016).*
  - *D. Stratakis, M. Convery, C. Johnstone, J. Johnstone, J. Morgan, D. Still, J. Crnkovic, V. Tishchenko, W. Morse, M.J. Syphers, Accelerator performance analysis of the Fermilab Muon Campus, Phys. Rev. Accel. Beams **20**, 111003 (2017).*
  - *I. Logashenko, et al., The Measurement of the Anomalous Magnetic Moment of the Muon at Fermilab, J. Phys. Chem. Ref. Data **44**, 031211 (2015).*
  - *V. Anastassopoulos, et al., A Storage Ring Experiment to Detect a Proton Electric Dipole Moment,” Rev. Sci. Inst. **87**, 115116 (2016).*
  - *G.E. Annala, D.J. Harding, M.J. Syphers, Coil Creep and Skew-Quadrupole Field Components in the Tevatron, Jour. Inst. **7** T03001 (2012) 1-16.*
  - *R. Miyamoto, S.E. Kopp, A. Jansson, M.J. Syphers, Parameterization of the Driven Betatron Oscillation, Phys. Rev. ST-AB **11**, 084002 (2008).*
- TEACHING**     **University Semester Courses –**  
*Graduate level introductory Accelerator Physics: Northern Illinois (2016-17); Michigan State (2011); North Texas (1991); Texas (1990); Northwestern (1989).*  
*Introductory Physics: Michigan State (2012-2015).*
- U.S. Particle Accelerator School (credit awarded by host institutions) –**  
*Undergraduate Courses: Texas (2016, 2012, 1998), Old Dominion (2018, 2015), UC Berkeley (2005), Indiana (2003), Rice (2001), Vanderbilt(1999), Washington (1997)*  
*Graduate Level Courses: Accelerator Design – Michigan State (2012), UCLA (1994); Beam Optics – UC Santa Cruz (2008); Accelerator Physics – Stanford (1992), Harvard (1990), Cornell (1988)*
- FUNDING**     *PI, NSF, \$213,580, Accelerator Science for Storage Ring Measurements of Electric Dipole Moments of Subatomic Particles, 9/15/14.*  
*PI, NIU/FNAL CRADA, \$566,742, Joint Scientific Appointment, 9/16/15.*
- ADDITIONAL**     *Fellow, American Physical Society*  
*Member (elected), Exec. Comm., Div. Physics of Beams, American Physical Society*  
*Member, High Energy Physics Advisory Panel, Dept. of Energy/Nat. Sci. Foundation*  
*Deputy Director, Northern Illinois Center for Accelerator and Detector Development*  
*Graduate, Strategic Lab Leadership Program, U. Chicago Booth School of Business*