BIOGRAPHICAL SKETCH October 2016

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Education:

Undergraduate Studies:	A.B. Chemistry and Physics, 1966, Harvard College
Graduate Studies:	Ph.D. Physics, 1970, University of California, Berkeley
Postdoctoral Research:	Massachusetts Institute of Technology, 1970-1972

Employment:

2013-2016	Chair, Department of Physics and Astronomy, University of Utah
1985-	Professor, Department of Physics, University of Utah
1998-2005	Associate Chair, Department of Physics, University of Utah
1983-1989	Associate Chair, Department of Physics, University of Utah
1978-1985	Associate Professor (Utah)
1972-1978	Assistant Professor (MIT)

Relevant Products:

"Leptonic decay-constant ratio f_{K^+}/f_{π^+} from lattice QCD with physical light quarks", (with the Fermilab Lattice and MILC collaborations), Phys. Rev. Lett. **110**, 172003 (2013).

"Quark-gluon plasma in an external magnetic field", (with L. Levokva), Phys. Rev. Lett. **112**, 012002 (2014)

"$B \to D\ell\nu$ form factors at nonzero recoil and $|V_{cb}|$ from 2+1-flavor lattice QCD," (with the Fermilab Lattice and MILC Collaborations), Phys. Rev. D **92**, 034506 (2015)

"$B \to \pi\ell\ell$ form factors for new-physics searches from lattice QCD," (with the Fermilab Lattice and MILC Collaborations), Phys. Rev. Lett. **115**, 152002 (2015).

"$B^0_{(s)}$-mixing matrix elements from lattice QCD for the Standard Model and beyond," (with the Fermilab Lattice and MILC Collaborations), Phys. Rev. D **93**,113016 (2016).

Other Products:

"A Conjecture Concerning the Modes of Excitation of the Quark-Gluon Plasma",
Phys. Rev. D **32**, 276 (1985).

"The Hadronic Spectrum of the Quark Plasma", (with J.B. Kogut) Phys. Rev. Lett.
59, 399 (1987).

"Full nonperturbative QCD simulations with 2+1 flavors of improved staggered quarks,"
(with the MILC collaboration) Rev. Mod. Phys. **82**, 1349 (2010).

"B- and D-meson decay constants from three-flavor lattice QCD,"
(with the Fermilab Lattice and MILC Collaborations), Phys. Rev. D **85**, 114506 (2012)

"The chiral and deconfinement aspects of the QCD transition,"
Phys. Rev. D **85**, 054503 (2012)

Synergistic Activity:

DOE SciDAC Software Coordinating Committee 2002 - present
Instructional Monograph: *Lattice Methods for Quantum Chromodynamics* (with T.A. DeGrand)
(World Scientific Publishing Co, Singapore, 2006).
International Advisory Committee, "Lattice 2014"
Heavy Ion Session Convenor, ICHEP 2016
Chair, DOE Exascale Computing Project, Software Framework (2016)