

Curriculum Vitae Georg H. Hoffstaetter

Education

Darmstadt Univ. (TUD) Titles: Professor, habil., PhD, MS, Dipl. Phys.
Habilitation in Physics '00
Michigan State Univ. (MSU) Physics, MS '92, PhD '94 at the NSCL, thesis with Prof. Martin Berz
Stanford/Florida State Univ. US Particle Accelerator School (USPAS), Accelerator Physics '92/Beamstrahlung '94
Darmstadt Univ. (TUD) Physics, Dipl. Phys. with honors '91, thesis with Prof. Harald Rose
MLS Rimbach/Brookfield Abitur in Germany '87, A/O Levels as head-boy in an English boarding school '85

Stipends and Honors

- Fellow of the American Physical Society (for life '17)
- Member of New York State Academy of Sciences '10
- In Who'sWho in the World '01/'04/'06, in America '11, in Sciences Higher Education '03, of Emerging Leaders '07, in American Education '07/'08, among Executives and Professionals '09-'10, in Science and Engineering '10-'17, in International Directory of Experts and Expertise '08, in Strathmore's Who's Who 2010, in Business Who's Who Registry '14-'15
- Membership in the Honor Society Phi Kappa Phi (for life '94)
- Quadrille Ball Fellowship of the Germanistic Society of America '94
- Stipend of the College of Natural Science, MSU '92-'94
- Graduate Fellowship of the NSCL '92-'94
- Heraeus-prize for efficient studying '91
- Fellow of the German Merit Foundation '89 (for life '92)

Experiences

MSU '91-'94 Research assistant at the NSCL
DESY '94-'96 Post-doc in the accelerator physics group MP
TUD '96-'98 Research and teaching as faculty in applied physic
DESY '98-'02 Permanent position in the accelerator-physics group MPY
Cornell '02-'08- Professor (Assistant 02-, tenured Associate 05-, Full '08-)
'08- Assoc. Chair of CLASSE for ERL Accel. Physics
'09-'16 Head of SRF group and PI of several grants on SRF acceleration
'09-'18 PI of NSF REU program of CLASSE
'12-'15 PI of NSF-funded ERL program
'13-'15 PI for grant on Cornell contributions to SLAC's LCLS-II
'14-'16 PI for grants on technology transfer to AES, RI, and ASML
'16- PI for the Cornell-BNL ERL Test Accelerator (CBETA)
Journals '06 Editor, Focus issue on Accelerator Physics, New Journal of Physics (NJP)
'07-'12 Associate Editor, Physical Review ST-AB
'12-'15 Mem. Ed. board Phys. Rev. ST-AB

Rev. & Adv. Committee

'99 Mem. "Polarized Protons at High Energies" advisory committee
'00-'06 Mem. of the KEK-B accelerator review committee
'02-'04 Mem. of the DOE Fermi Nat. Accel. Lab-Run II review committee
'04-'07 Mem. of the Fermi Nat. Accel. Lab Accelerator Advisory Committee
'06 Mem. of the Argonne Nat. Lab Machine Advisory Committee for APS upgrades
'06-'11 Chair/Mem. of the Cockcroft Institute's Scientific Advisory Committee
'07 Mem. of Brookhaven Nat. Lab Advisory committee on NSLS-II
'07 Invitee ELBE workshop, FZ-Dresden-Rossendorf/Germany
'05-'10 Chair/Mem. MAC of the Brookhaven Nat. Lab Collider Accel. Dev.
'07 Mem. DOE Advisory Committee on Adv. Accel. R&D
'09-'11 Mem. FRIB Accelerator Systems Advisory Committee, Michigan State Univ.
'09 Mem. Crab Cavity Advisory Committee, CERN
'12 Mem. DOE Accelerator R&D task force
'12-'20 Mem. MAC of BERLinPro at HZB
'13-'16 Mem. HEPAP, DOE Advisory panel for HEP
'14-'16 Mem. HEPAP subcommittee on accelerator R&D
'15 Reader for HEPAP subcommittee on USPAS
'15-'18 Mem. Int. Res. Training Adv. Board, Deutsche Forsch. Gem, Accelence, GRK 2128
'17-'20 Mem. DESY scientific council
'17-'20 Mem. BNL Science and Technology Steering Committee
Prog. & Org. '05-'13 Mem. of the Particle Accelerators Conference Organization Committee
Committee '04-'07 Mem. int. program committee (IPC) "Energy Recovering Linacs"
'06 Mem. IPC "Future Light Sources", Hamburg/Germany
'07-'10 Mem. PAC Organizing Committee (OC)

	'07-'09	Chair OC and sci. prog. com. (SPC) of int. ERL'09 workshop at Cornell Univ.
	'09	Mem. OC Workshop "The Physics and Applications of High Brightness Electron Beams"
	'09-'10	Mem. int. adv. com. (IAC) Symposium "Science and Technology applications of ingot niobium"
	'09-'10	Mem. IAC Charge Particle Optics 2010 conference
	'09-'12	Mem. sci. adv. com. (SAC) IPAC10, SAB IPAC11, SPC IPAC12
	'10-'11	Mem. OC int. ERL'11 workshop at KEK/Japan
	'12-'13	Mem. SPC NA-PAC
	'13-'14	Mem. SPC IPAC'14
	'14-'15	Mem. OC and SPC of int. ERL15 workshop at Stony Brook Univ.
	'14-'15	Mem. OC of 1st FCC workshop, Washington DC.
	'15-'16	Mem. OC of 2nd FCC workshop, Rome/IT
	'15-'16	Mem. OC of HOMSC workshop, Rostock-Warnemünde/Germany
	'15-'16	Mem. SPC for NAPAC16, Chicago IL.
	'16-'17	Mem. OC and SPC of int. ERL17 workshop at CERN.
	'16-'17	Chair OC, loc. org. com. (LOC), and SPC of int. FFAG17 workshop and school at Cornell.
Convener	'01	"Lepton-Hadron Colliders", Snowmass HEP conference
	'05	Co-Convener "Energy Recovering Linacs" in Newport News/VA, WG3 (Optics)
	'07	Co-Convener "Energy Recovering Linacs" in Daresbury/UK, WG3 (Optics)
	'09	Co-Convener "Energy Recovering Linacs" at Cornell Univ., WG3 (Optics)
	'06	Co-Convener for ERL WG, "Future Light Sources", Hamburg/Germany
	'13	Convener for Snowmass/MO community study, WG6
Univ. & Com. Service:	'03-'06	Mem. A& S College Educational Policy Committee
	'03-'08	Chair and Mem. of the Physics Department's Colloquium Committee
	'06-'09	Chair/Mem. Cornell Univ. Educational Policy Committee
	'06-'07	Chair/Vice-Chair of the APS-DPB Doctoral Research Award Committee
	'07-'08	Mem. APS Dev. of Physics of Beams (DPB) executive Committee
	'08-'09	Chair/Mem. Publications Committee of APS-DPB
	'08-	Mem. curriculum committee of US Particle Accelerator School (USPAS)
	'12-'14	Mem. DPB nominations committee
	'14-'15	2015 USPAS Prize Committee
	'17-'19	Mem. Institutional Board of the US Particle Accelerator School
	'18-'21	Mem. APS/DPB Nominations Committee
Teaching:		Darmstadt Univ. (TUD) '96-'98, DESY Summer Institute '99-'01, Univ. of Hamburg '99-'02, Joint Univ. Accel. School '99-'01, COSY Summer School '02, Cornell Univ. '02-, USPAS '06/'10
Outreach:	'03	Initiation and supervision of Learning-Web high-school students at LEPP,
	'09-'18	PI of CLASSE REU grant.

Publications:

Full list: <http://www.lepp.cornell.edu/~hoff/Publications.htm>

Book author of "High-energy polarized proton beams", ISBN 0-387-34679-1

From 2017:

G.H. Hoffstaetter (PI), D. Trbojevic (PI), C. Mayes (ed.), et al. arXiv1706.04245 CBETA Design Report (2017)

D. Trbojevic, et al. CBETA - Cornell-BNL ERL Test Accelerator, Proc. IPAC'17 (2017)

N. Banerjee, et al., Microphonics Studies of the CBETA Linac Cryomodules, Proc. IPAC'17 (2017)

F. Furuta, et al. ERL Cryomodule Testing and Beam Capabilities, Proc. IPAC'17 (2017)

N. Tsoupas, et al. ,The Beam Optics of the FFAG Cell of the CBETA ERL Accelerator, Proc. IPAC'17 (2017)

W. Lou, et al., Beam-breakup Studies for the 4-pass CBETA, Proc. IPAC'17 (2017)

Current PI or co-PI

Prog. for Develop. and Demonstr. of Pioneering Accel. Technology (Nat. Sci. Foundat., co-PI) to 08/31/20

R&D on the Half-Wave Resonator for the RAON Accelerator (IBS Korea, co-PI) to 02/14/18

ECO-Friendly Bipolar Electrochem. Bulk Process. of SRF Cav. (DOE SBIR, Faraday Inc) to 09/01/17

Raising Superconducting Cavity Gradients (DOE, co-PI) to 03/31/18

Cornell Program for Student-Centered Accelerator Science (NSF, co-PI) to 08/31/18

REU Site: Accelerator Physics and Synchrotron Radiation Sci. (NSF, PI) to 03/31/18

Advanced Concepts for Muon and Neutrino Sources (DOE, PI) to 09/30/17

Acid-free Electropolishing of SRF Cavities (DOE SBIR, Faraday Inc) to 04/03/18

CORNELL-BNL ERL Test Accelerator CBETA) (NYSERDA, PI) to 04/30/18