Academic Family Tree of Professor John Newman

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> The field of electrochemical engineering, especially the design and analysis of electrochemical systems, has progressed greatly due to the work of Professor John Newman at the University of California, Berkeley. We present the academic family tree of Professor John Newman comprising his students and their students, and a list of theses and dissertations he directed at UC Berkeley. Professor Newman has graduated thirty Masters and forty three PhD students and seventeen have gone on to become faculty members.



Professor John Newman

Biography

Professor John Newman earned his bachelor's degree in chemical engineering in 1960 from Northwestern University. While at Northwestern University, he was an engineering co-op student at Oak Ridge National Laboratory. Professor Newman entered the University of California, Berkeley for graduate study, obtaining his master's degree in 1962, on current distribution in porous electrodes, under the guidance of Professor Charles Tobias. In 1963, he obtained his doctorate on steady laminar flow past a circular cylinder at high Reynolds numbers. While a PhD student, he contributed to the preparation of major portions of the English edition of Levich's book, Physicochemical Hydrodynamics, published in 1962.

Shortly after receiving his doctorate, Professor Newman joined the faculty at UC Berkeley and became a full professor in 1970, where he currently holds the Charles W. Tobias Chair in Electrochemistry. He won the Young Author's Prize for his work¹ on current distribution on a rotating disk below the limiting current. In 1969, Professor Newman again won the Young Author's Prize for his work² with his student William Parish on modeling channel electrochemical flow cells. In 1985, he received the David C. Grahame Award of the ECS Physical and Analytical Electrochemistry Division. Professor Newman's book, *Electrochemical Systems*, published in 1973, with a second edition in 1991, and a third in 2004 (with co-author Karen E. Thomas-Alyea), is used throughout the world as a monograph and graduate text in electrochemical engineering. He is an ECS Fellow and an honorary member. His other awards include the Henry B. Linford Award for Distinguished Teaching in 1990, the Olin Palladium Medal in 1991, and the Vittorio de Nora Award in 2008. The title of Professor Newman's talk for the Vittorio de Nora Award was "From nW to TW," and it focused on his recent work on the derivations of the Onsager reciprocal relations for multicomponent diffusion, the electrochemical reduction of carbon dioxide and water to carbon monoxide and hydrogen, and the production of liquid fuels from renewable energy. He was associate editor for the Journal of the Electrochemical Society for 10 years starting in 1990.

Professor Newman is also a Faculty Senior Scientist and Principal Investigator in the Environmental Energy Technologies Division at Lawrence Berkeley National Laboratory, where he is in charge of the Batteries for Advanced Transportation Technologies program. In 2002, he spent a semester as the Onsager Professor at the Norwegian University of Science and Technology in Trondheim, Norway, and in 1999, was elected to the National Academy of Engineering.

Academic Family Tree

We present the academic family tree of Professor Newman in the following section. We have highlighted his academic descendants who have gone on to become faculty members in bold. In the following table, we present the list of theses and dissertation directed by Professor Newman at UC-Berkeley along with their current position and address.

ACADEMIC FAMILY TREE OF PROFESSOR JOHN NEWMAN

John S. Newman (PhD, 1963), University of California-Berkeley

- Thomas Atkins (MS, 1965)
- Limin Hsueh (MS, 1966; PhD, 1968)
- Ping Huei Sih (MS, 1966; PhD, 1971)
- Marvin Edward McDonald (MS, 1966)
- Paul Milios (MS, 1967)
 - Thomas W. Chapman (PhD, 1967), University of Wisconsin-Madison
 - Reinaldo Caban (MS, 1972; PhD, 1976), University of Puerto Rico
 - Morris R. Schoenberg (PhD, 1974)
 - Gerald L. Bauer (PhD, 1974)
 - Mark Thiel (MS, 1974)
 - John Stolzenberg (PhD, 1975)
 - Scott Troyer (MS, 1975)

 - William Collins (MS, 1975)
 - Charles Hales (MS, 1977)
 - James Arthur Trainham, III (MS, 1977)

 - Barry Freehill (MS, 1979)

 - ----- Francisco Brana (PhD, 1979)
 - Vladimir Hampl (MS, 1979)
 - Ali Altway (MS, 1979), Institut Teknologi Surabaya, Indonesia

 - Paul Yeung (MS, 1981)
 - Randall DeRuiter (MS, 1981)
 - Nanang Edi (MS, 1981)
 - Lawrence Keller (MS, 1981)
 - Udomsak Santidomrongkul (MS, 1981)
 - - Shi-Chern Yen (PhD, 1984), National Taiwan University
 - Jing, He (MS, 1986)
 - Ging-Yi, Yao (MS, 1987; PhD, 1992)
 - Jin-Sheng, Wang (MS, 1987; PhD, 1992)

 - ----Yao-Fei, Huang (MS, 1989)
 - Zhi-Guan, Tsai (MS, 1989)
 - Zhi-Da, Wang (MS, 1990; PhD, 1995)

 - Wen-Hsiang, Lo (MS, 1992)
 - Cheng-Hong, Zheng (MS, 1992)
 - Shih-Chieh, Hsueh (MS, 1992)
 - Meng-Yu, Tsai (MS, 1993)

Hung-I, Lo (MS, 1993) Jing Bin, Lin (MS, 1994) Qing Xiong, Chen (MS, 1994) -Guan Zheng, Hou (MS, 1994) Hui Zhen, Gao (MS, 1995) -Ru Li, Zheng (MS, 1995) -Shi-Hong, Liao (MS, 1996) -Jia-Fang, Wu (MS, 1997) -Bo- Xuan, Lin (MS, 1997) -Yuh-Fen, Huang (MS, 1998) -Zi-Qian, Yen (MS, 1998) -Chung-Tsien, Chen (MS, 1998; PhD, 2008) -Pei-Yi, Liu (MS, 1999) -Tzu-Hsuan, Tsai (MS, 1999; PhD, 2003) -Chi-Lung, Chang (MS, 1999) -Yong-Fu, Wu (PhD, 2000) -Ning-Yih, Sheu (MS, 2000; PhD, 2006) -Jiun-Jie, Yang (MS, 2000) -Yu-Xiang, Lin (MS, 2000) -Yi-Mao Lin (PhD, 2001) -Cyun-Yao, Lin (MS, 2001) -Cheng-Yin, Tsai (MS, 2001) -Meng Chia, Cheng (MS, 2001) -Kun-Shen, Shen (MS, 2002) -Hou-De, Lu (MS, 2002) -Tsung-Wei, Tzeng (MS, 2002) - Yi-Chen, Wang (MS, 2003) -Chun-Yao, Lo (MS, 2003) -Shin-Bin, Chou (PhD, 2004) -Jiun-Shian, Kuo (MS, 2004) Wen-Hsiung, Lu (MS, 2005) -Chun-Cheng, Wu (MS, 2005) -Yi-Hung, Liu (MS, 2005) -Jen-Hsiung, Lu (MS, 2005) -Shao-Ling, Wu (MS, 2006) -Da-Wei, Lin (MS, 2006) -Han-Bang, Chen (MS, 2006) -Chih-Hao, Kuo (MS, 2006) - Jui-Hsiung, Huang (PhD, 2007) -Po-Han, Huang (MS, 2007) - Ying-Cheng, Lan (MS, 2007) -Sheng-Wei, Cheng (MS, 2007) -Pei-Yuan, Chung (MS, 2008) -Tzu-Han, Lin (MS, 2008) -Ti- Chiang, Chueh (MS, 2008) - William J. Wruck (PhD, 1984) - Michael Farin (MS, 1984) - Richard A. Wallden (MS, 1984) - Kathleen P. Barton (MS, 1985; PhD, 1987)

Mark F. Mathias (PhD, 1987)

— Michael A. Alexander (PhD, 1988)

— Myriam Ulrike Kuppinger (MS, 1988)

— Carlos M. Villa (PhD, 1993)

---- Christopher S. Hofseth (PhD, 1993)

Helena P. Stadniychuk (MS, 1994)

— Vinay Marathe (MS, 1968)

- Kemal Nisancioglu (MS, 1970; PhD, 1973), Norwegian University of Science

and Technology

- Øystein Strandmyr (MS, 1977)
- Tore R. Andersen (MS, 1978)
- Knut Y. Davanger (MS, 1978)

—— Ivar Nybø (MS, 1979)

Aud I. Rasmussen (MS, 1979)

—— Stein E. Rønningen (MS, 1979)

— Per S. Solheim (MS, 1979)

—— Sigve Aabø (MS, 1983)

— Liv Odden (MS, 1982)

— Turid Dahl (MS, 1984)

— Arvid Supphellen (MS, 1984)

John Braathen (MS, 1985)

— Tom Hallan (MS, 1986)

Ragne Hildrum (MS, 1987)

Trine L. Lambine (MS, 1987)

— Hilde Vatslid (MS, 1987)

— Ingegerd Aanonsen (MS, 1987)

---- Berit K. Aaase (MS, 1987)

Tor G. Tollefsen (MS, 1988)

— Jon K. Ramsvik (MS, 1991)

— Geir T. Solvi (MS, 1991)

— Siv Galteland (MS, 1993)

Anne H. Nygård (MS, 1993)

- Håvard Karoliussen (PhD, 1993), Sør-Trøndelag University College

Astrid Bjørgum (PhD, 1993)

— Thore Bergsaker (MS, 1994)

— Linda R. Børvik (MS, 1995)

— Karl K. Kobberstad (MS, 1995)

Jan H. Nordlien (PhD, 1995)

— Øysteon Birketveit (MS, 1997)

— Morten Svenning (MS, 1997)

— Terje Tinbod (MS, 1997)

Ann Mari Svensson (PhD, 1997)

Harald Laugen (MS, 1998)

Trine Løland (MS, 1998)

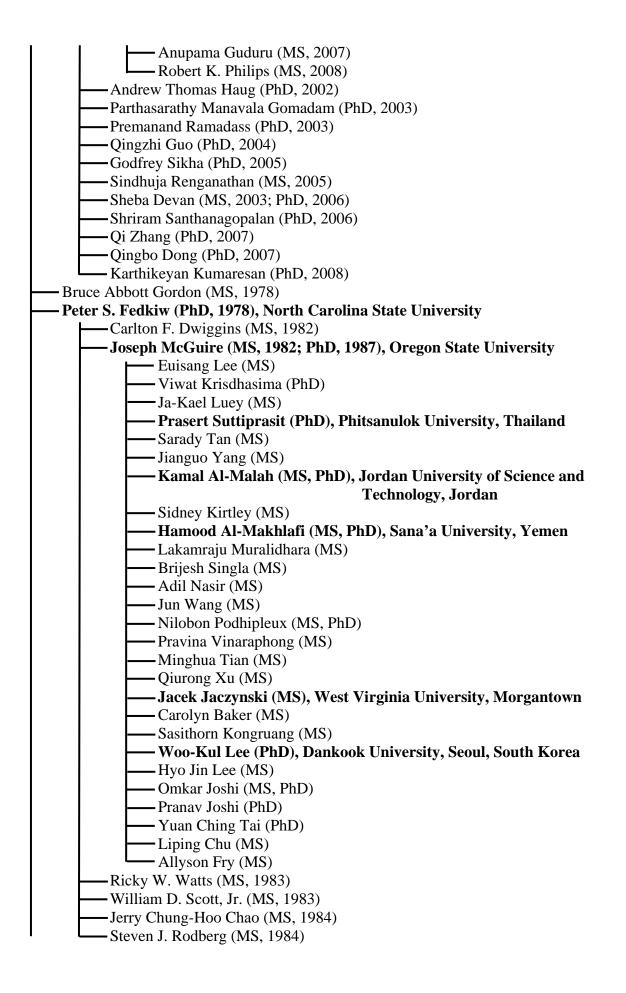
— Kari-Anne Landro (MS, 1999)

- Andre Mikkelsem (MS, 1999)

- Harald Miland (MS, 1999) -Huyen D. H. Pham (MS, 1999) - Harald L. Østerberg (MS, 1999) - Lars H. Andersen (MS, 1999) - Trond Haugen (MS, 1999) - Bård A. Olsen (MS, 2000) - Anette Pedersen (MS, 2000) - Gaute Svenningsen (MS, 2000, PhD, 2005) - Bjarte E. Haugstveit (MS, 2001) - Tonje Berntsen (MS, 2002) - Jan T. B. Gundersen (PhD, 2002) - André Granå (MS, 2003) - Kristian F. Heen (MS, 2003) -Otto Lunder (PhD, 2003) - Steinar Mollan (MS, 2003) - Solveig C. A. Seknes (MS, 2003) - Cecilie My Wo (MS, 2004) - Martin S. Foss (MS, 2004) - Kristin Huseland (MS, 2005) - Trine Okstad (MS, 2005) -Øystein Sævik (PhD, 2005) - Stine S. Transeth (MS, 2005) - Linn Boberg (MS, 2006) - Tone Frydenberg (MS, 2006) - Sølvi Slåtten (MS, 2006) - Anne M. Pedersen (MS, 2006) - Øyvind G. Rannestad (MS, 2006) -Nina Ljones (MS, 2006) - Merethe Falstad (MS, 2008) -Ingunn Ramsdal (MS, 2008) - Magnus Halvorsen (MS, 2008) -Thanh T. Cao (MS, 2008) - Kong-Heong Tan (MS, 1970) - Nader Vahdat (MS, 1972), Tuskegee University³ - Harry Hung-Kwan Yip (MS, 1973) - Robert Victor Homsy (PhD, 1974) - Thomas James Edwards (MS, 1974; PhD, 1977) - Charles Milton Mohr, Jr (PhD, 1975) - Joseph John Miksis, Jr (MS, 1975) - Peter Willem Appel (PhD, 1976), Delft University of Technology Ralph Edward White (PhD, 1977), University of South Carolina - Mark Edmund (MS, 1980) - Raju K. Hirani (MS, 1980) - Bruce Blenkarn (MS, 1981) - Susan Lorimer (MS, 1982) - John Van Zee (MS, 1982; PhD, 1984), University of South Carolina⁴ - Tzeng-Huann Teng (MS, 1985) -Chih-Ta Lee (MS, 1987) - Patrick C. Y. Chin (MS, 1988)

Shu-Shan Zeng (MS, 1988) E. J. Markel (PhD, 1990) S. A. McCluney (1991) C. –T. Lee (PhD, 1991) - D. A. Wingard (MS, 1991; PhD, 1996) - Suzanne L. Blanton (MS, 1994) - Hideki Sasaki (MS, 1995) - Mahesh Murthy (PhD, 1997) - Chien-Hsien Ho (PhD, 1997) - Gowri Subramaniam Nagarajan (PhD, 1998) - Woo-Kum Lee (PhD, 2000) - Elizabeth Davis (MS, 2001) - Lifeng Chen (PhD, 2001) -Gowri Yeduvaka (MS, 2002) - Jeffrey Glandt (MS, 2002) - Sun-Hoe Kim (PhD, 2004) - Rana Mohtadi (PhD, 2004) - Joseph Edward Liedhegner (MS, 2004) - Tao Gu (PhD, 2005) - Herie Javier Soto (PhD, 2005) - Wentao Wang (PhD, 2006) - Murali Sankar Venkatraman (PhD, 2006) - Scott Douglas Greenway (PhD, 2007) - Tochi Tudor Nwoga (PhD, 2007) - Joseph Holmes (MS, 1984) - Donald Wolfe (MS, 1984) - Michael Mader (MS, 1985) - Trung Van Nguyen (MS, 1985; PhD, 1988), University of Kansas - Haitao Huang (MS, 1997) - Jung Seok Yi (PhD, 1998) - David Lee Wood, III (MS, 1998) - Mack W. Knobbe (MS, 2000) - Minh Vu Nguyen (MS, 2003) - Wensheng He (PhD, 2003) - Dilip Natarajan (PhD, 2004) Guangyu Lin (PhD, 2006) - Heebong Ohn (MS, 2007) - Shiuan Chen (MS, 1986) - William Ryan (MS, 1986) - Clifford Walton (PhD, 1987) Prosper Adanuvor (PhD, 1987) - Eric Dimpault-Darcy (MS, 1987) - Thomas Evans (PhD, 1988) - Rodolfo Morales, Jr. (MS, 1988) - Gary Simpson (MS, 1988) - Stephen Ridge (MS, 1998) - Zhenhua Mao (PhD, 1989) - Frederic Jagush (MS, 1989) -Ralph Faxel (MS, 1990)

Teshome Hailu (MS, 1990) - Taewhan Yeu (PhD, 1990) - Rahul Bindlish (MS, 1991) - Donald A. Curtis (MS, 1991) - Ken-Ming Yin (PhD, 1991) - Bhasker Dave (PhD, 1991) Eric E. Kalu (PhD, 1991), Florida State University -Aruna Kuruganti (PhD, 1998) -Renate Itoe (PhD. 1999) -Dibyendu De (PhD, 1999) -H.-H. Chen (MS, 2005) -Oscar Mendoza (PhD, 1991) - Devuan Fan (PhD, 1991) - Michael Kimble (PhD, 1991) - Junbom Kim (PhD, 1992) - Jenn-Feng Yan (PhD, 1992) - Steven Lee (MS, 1992) - Gurmeet Singh (MS, 1992) - Makoto Kawanami (MS, 1992) - Snezana Popova (MS, 1992) - Mohammed A. Alwohaibi (MS, 1992) - Gautam Pillay (PhD, 1992), Rowan University - Guanghong Zheng (PhD, 1994) - Pauline De Vidts (PhD, 1995) - Rick Prieto (PhD, 1996) - Surya Pakalapati (MS, 1992; PhD, 1996) - Darryl Coleman (MS, 1994; PhD, 1996) - Haraldo Duarte (PhD, 1996) - Dawn See (PhD, 1998) - Murali Ramasubramanian (PhD, 1998) - Pranatharthi Haran Balasubramanian (PhD, 1998) - Bradley Johnson (PhD, 1998) - Dong Zhang (PhD, 1999) - Pankaj Arora (PhD, 1999) - Shannon Baxter (PhD, 1999) - Ping Yu (PhD, 1999) - Bin Wu (PhD, 2000) Gerardine Botte (PhD, 2000), Ohio University -Matt Cooper (MS, 2005) -Nilesh Sathe (MS, 2006) -Egilda Purusha Bonnin (MS, 2006) -Mahesh Biradar (MS, 2007) -Xin Jin (PhD, 2008) -Anand Durairajan (PhD, 2001) Venkat Subramanian (PhD, 2001), Tennessee Tech. University -Deepak Tapriyal (MS, 2004) -Vamsi K. Maddirala (MS, 2004) - Vinten D. Diwakar (MS, 2005) -Kartik Potukuchi (MS, 2006)



- J. Lewis Ayres (PhD, 1986) - Christian L. Traynelis (MS, 1987) - Daniel R. Brouns (MS, 1987) - James Michael Potente (PhD, 1988) - Andrew S. Viner (MS, 1988) - Timothy Richard Nolan (PhD, 1989) - Wei-Hwa Her (PhD, 1990) - John Cooke Smeltzer (PhD, 1990) - John Walter Weidner (PhD, 1991), University of South Carolina -Sathya Motupally (MS, 1994; PhD, 1998) -Suzanne L. Keller (MS, 1994) -Shannon Baxter (MS, 1995) -Mukul Jain (PhD, 1998) -Kamal Jha (PhD, 1998) -Anand Srikumar (MS, 1998) -Venkat Srinivasan (PhD, 2000)⁵ - Andrew Thomas Haug (PhD, 2002) -Charles E. Holland (MS, 2003) -Parthasarathy Manavala Gomadam (PhD, 2003) -Balasubramanian Lakshmanan (PhD, 2003) -Inas Al-Nashef (PhD, 2004), King Saud University -Vasudevan Suryanarayanan (MS, 2005) -Lingyun Liu (PhD, 2006) -Vijay Anand Sethuraman (PhD, 2006) -Premkumar Sivasubramanian (MS, 2007) - Brenda Lee Garcia-Diáz (PhD, 2007) Shing-Ru Wang (PhD, 1991) - Raymond Liu (PhD, 1992) - Rakesh Bakshi (PhD, 1992) - Kenneth Joseph Walsh (PhD, 1994) - Jay Raghavan (MChE, 1992) - Sanjay Sharma (MS, 1994) - Elaine Ann Cohen Hubal (PhD, 1996) - Michael Tyler Hicks (PhD, 1997) – Joseph Miller (MS, 1996) - Karine Nouel (MS, 1996) - David Andrew Dudek (PhD, 1998) - Christine Lizzul Rinne (PhD, 1999) - Greg Clayson (MChE, 2001) - H. Jeremy Walls (PhD, 2001) -Michael William Riley (PhD, 2002) -Hua Deng (MS, 2002) -Ruchi Gupta Singhal (MS, 2003) -Khaled Mohamed Saber Abdel-Hamid Youssef (PhD, 2003), NCSU -Jeffrey Alan Yerian (PhD, 2003) -Jian Zhou (PhD, 2003) -Fadhel Abbas Azeez (MS, 2005; PhD, 2008), Kuwait University - Rameshwar Yadav (PhD, 2008) - Thomas Friedrich Wilhelm Foerster (MS, 1979)

James Arthur Trainham, III (PhD, 1979), National Academy of Engineering Richard Pollard (PhD, 1979), University of Houston -H. Guerner (MS, 1982) -M. Sridharan (MS, 1984) -P. Lee (MS, 1984) -R. L. Abber (MS, 1984) -K.-C. Tsaur (PhD, 1984) -H. E. Rebenne (PhD, 1987) -T. Comte (MS, 1987) -M. Tirtowidjojo (PhD, 1988) -R. Arora (PhD, 1990) –R. Koemtzopoulos (PhD, 1994) -Y.-F. Wang (PhD, 1994) -Z. Zhang (PhD, 1994) -R. Haswani (MS, 1995) -M. Cloeter (PhD, 1997) -M. G. D'Oliveira (MS, 1998) -E. C. Darcy (PhD, 1998) Clarence Garlan Law, Jr. (PhD, 1980) - Peter Eugene Pierini (PhD, 1981) - Ellen Marie Pawlikowski (PhD, 1981) - Mark Edward Orazem (PhD, 1983), University of Florida -Michael G. Miller (MS, 1985) - Brian K. Faillon (MS, 1985) - C. Gan (MS, 1986) - Gregory S. Hickey (MS, 1986) - Lucinda A. Joyce (MS, 1986) - Muhammad Kazeminy (MS, 1986) - Jose Matthew Rodriguez Esteban (MS, 1988; PhD, 1991) - Mark M. Lowry (MS, 1988) - Frank L. Smolko (MS, 1988) - Abhay B. Bulsari (PhD, 1988) - David Bivings Bonham (PhD, 1988) - Oliver C. Moghissi (MS, 1989) - Andrew Norbert Jansen (MS, 1989; PhD, 1992) - Conrad B. Diem (PhD, 1990) - Paul Thomas Wojcik (MS, 1992; PhD, 1997) - Oliver Claudius Moghissi (PhD, 1993) - Pankaj Agarwal (PhD, 1994) - Steven L. Carson (MS, 1995; PhD, 1999) - Juleh Minoo (MS, 1995) - Madhav Durbha (PhD, 1998) - Steven Philbrick (MS, 1998) - Kenneth Jeffers (MS, 1999) - Douglas Riemer (PhD, 2000) - Michael Anthony Membrino (PhD, 2002) - Nelliann Perez-Garcia (MS, 2003; PhD, 2006) - Chenchen Qiu (PhD, 2003) - Kerry N. Allahar (PhD, 2003)

Pavan Kumar Shukla (PhD, 2004) -James Patrick McKinney (MS, 2006) -Vicky Mei-Wen Huang (PhD, 2007) Gary George Trost (PhD, 1983) Timothy Kent Risch (MS, 1983) - Alan Kent Hauser (MS, 1984; PhD, 1989) - Philip Paul Russell (PhD, 1984) Michael John Matlosz (PhD, 1985), INPL-ENSIC, Nancy-Université - Susan Dale Thompson (PhD, 1985) - Dawn Marie Bernardi (PhD, 1986) Victoria Ann Edwards (PhD, 1986) Suresh Chand Jain (PhD, 1987) - Chrystalla C. Haili (MS, 1987) - Gregg M. Sisler (MS, 1987) - Andrew A. Mason (MS, 1988) - Alan C. West (PhD, 1989), Columbia University Benoit DeBecker (PhD, 1995) - Roberto Vidal (PhD, 1995) Taekhoon Kim (PhD, 1996) - J. Deliang Yang, (PhD, 1997) - Chin-Chang Cheng (PhD, 1998) -Brett C. Baker (PhD, 1998) - James J. Kelly (PhD, 1998) Scott A. Calabrese Barton (PhD, 1999), Michigan State University -Bing Zhu (MS, 2003) -Yuhao Sun (PhD, 2006) -Nicolas Hudak (PhD, 2007) -Joshua Gallaway (PhD, 2007) - Radek Chalupa (PhD, 2001) - Premratn Taephaisitphongse (PhD, 2002) - Zhongliang Tang (PhD, 2003) - Jong-Min Lee (PhD, 2003) - Min Zheng (PhD, 2005) - Mark Willey (PhD, 2007) - Robert G. Bozic (PhD, 2008), US Military Academy - Jennifer L. Wade (PhD, 2008) - Paul Mark Shain (PhD, 1990) - Anthony Joseph Grabowski (MS, 1990) - Mei-Hui Wang (MS, 1992) · Thomas F. Fuller (PhD, 1992), Georgia Institute of Technology -Wu Bi (PhD, 2008) - Bavanethan Pillay (MS, 1992; PhD, 1996), University of Natal - Vincent S. Battaglia (PhD, 1993) - Douglas John Eames (MS, 1994) Benjamin Mark Rush (MS, 1994) - Carolyn Renee Pals (MS, 1994) - C. Marc Doyle (PhD, 1995) - Blaine Kermit Paxton (MS, 1995) - Chung-Pong Lau (MS, 1996)

- Gerhard Walter Matzen (PhD, 1997)
- Elizabeth Nicole Swayne (MS, 1997)
- ----- Kathryn Podolske Ta (PhD, 1997)
- ---- Craig Michael Gates (MS, 1997)
- Edward K. Yeh (MS, 1998)
- Jeremy Patrick Meyers (PhD, 1998), University of Texas-Austin
- ---- Robert Mason Darling (PhD, 1998)
- ----- Christian Georg Fellner (MS, 1998)
- Darryl Wayne Dunn (MS, 1999)
- Divesh Bhatt (MS, 2000; PhD, 2004)
- ----- Robert Donald Villwock (PhD, 2000)
- Javit Ahmed Drake (PhD, 2000)
- ----- Christian Bogatu (BS, 2000)
- Hooman Hafezi (PhD, 2002)
- Karen Elizabeth Thomas (PhD, 2002)
- ----- Heather Darya Yaros (PhD, 2002), Skyline College San Bruno
- Dean Richard Wheeler (PhD, 2002), Brigham Young University
 - Clint Guymon (PhD, 2006)
 - David Stephenson (MS, 2008)
- ----- Charles Monroe (PhD, 2004), University of Michigan
- Adam Zev Weber (PhD, 2004)
- Jake Christensen (PhD, 2005)
- Sarah Stewart (PhD, 2007)
- Jeremy Couts (MS, 2007)
- Ryan Balliet (MS, 2007)

TABLE I: LIST OF THESES/DISSERTATIONS DIRECTED BY PROFESSOR JOHN NEWMAN AT UC-BERKELEY

#	Author	Thesis/Dissertation	Current Address
1	Thomas G. Atkins	Water Tunnel with Moving Walls. M. S. Thesis. June, 1965.	Founder, Right Seat Software, Inc., Golden, CO 80401-1118
2	Limin Hsueh	 Mass Transfer and Polarization at a Rotating Disk Electrode. M. S. Thesis. January, 1966. Diffusion and Migration in Electrochemical Systems. Dissertation. December, 1968. 	Senior Research Engineer, R&D, TRW Foundation, Fullerton, CA 92833
3	Ping Huei Sih	Numerical Computation of Flow past Obstacles. M. S. Thesis. January, 1966. Mass Transfer to the Rear of an Object at Low Reynolds Number Flow. Dissertation. May, 1971.	Retired from Stauffer Chemical Company
4	Marvin Edward McDonald	Numerical Calculation for the Steady Laminar Flow past a Circular Cylinder. M. S. Thesis. September, 1966.	^a Research Manager, Dow Chemical Company, Midland, MI 48674
5	Paul Milios	A Theoretical Analysis of the Moving Boundary Measurement of Transference Numbers.M. S. Thesis. September, 1967.	Senior Process Engineer, El Paso Natural Gas, El Paso, TX 79978
6	Thomas W. Chapman	<i>The Transport Properties of Concentrated Electrolytic Solutions.</i> Dissertation. November, 1967.	Retired Professor of Chemical Engineering, University of Wisconsin, Madison, WI 53706 Program Director, National Science Foundation, Washington, DC
7	Vinay Marathe	<i>Current Distribution on a Rotating Disk Electrode.</i> M. S. Thesis. June, 1968.	-
8	Kemal Nisancioglu	Diffusion in Concentrated Electrolytic Solutions. M. S. Thesis. January, 1970. Current Distribution and Mass Transfer in Rotating Electrode	Professor of Applied Electrochemistry, Norwegian University of Science and

		Systems. Dissertation. September, 1973.	Technology, Trondheim, Norway
9	Kong-Heong Tan	Moving-Boundary Measurements of Transference Numbers. M. S. Thesis. March, 1970.	Chairman, Taiwan Water Treatment Company, Taiwan
10	Nader Vahdat	Corrosion of Iron Rotating Disk. M. S. Thesis. June, 1972.	Professor and Head, Department of Chemical Engineering, Tuskegee University, Tuskegee, AL 36088
11	Harry Hung-Kwan Yip	Mass Transfer Coefficient in Packed Beds at Low Reynolds Numbers. M. S. Thesis. June, 1973.	Manager, Process Applications, General Atomics Company, San Diego, CA 92138
12	Robert Victor Homsy	Mass Transfer to a Plane below a Rotating Disk. Dissertation. March, 1974.	Analyst/Chemical Engineer, Lawrence Livermore National Laboratory, Livermore, CA 94550
13	Thomas James Edwards	Thermodynamics of Aqueous Solutions Containing One or More Volatile Weak Electrolytes. M. S. Thesis. June, 1974. Vapor-Liquid Equilibria in Multicomponent Aqueous Solutions of Volatile Electrolytes. Dissertation. October, 1977.	Senior Manager, PSG Engineer Technology, Air Products and Chemicals, Allentown, PA 18105
14	Charles Milton Mohr, Jr.	Mass Transfer in Rotating Electrode Systems. Dissertation. October, 1975.	Consulting Engineer, Process Engineering, Idaho National Engineer Laboratory, Idaho Falls, ID 83415
15	Joseph John Miksis, Jr	Primary Resistances for Ring-Disk Electrodes. M. S. Thesis. November, 1975.	Construction Manager, Chevron, Inc., Surrey, United Kingdom
16	Peter Willem Appel	<i>Electrochemical Systems: Impedance of a Rotating Disk and Mass Transfer in Packed Beds.</i> Dissertation. May, 1976.	Professor of Chemical Technology, Delft University of Technology, Delft, The Netherlands Section Head, Unilever Research, Rotterdam, The Netherlands

17	Ralph Edward White	Simultaneous Reactions on a Rotating-Disk Electrode. Dissertation. March, 1977.	Professor of Chemical Engineering, University of South Carolina, Columbia, SC 29208
18	Bruce Abbot Gordon	Corrosion of Iron-Base Alloys by Coal Charat 871° and 982°C. M. S. Thesis. April, 1978.	^b Staff Engineer, Project Associates Inc., Metairie, LA 70002
19	Peter S. Fedkiw	Mass Transfer Controlled Reactions in Packed Bedsat Low Reynolds Numbers. Dissertation. December, 1978.	Professor of Chemical Engineering, North Carolina State University, Raleigh, NC 27695
20	Thomas Friedrich Wilhelm Foerster	<i>The Effect of Coal Char on the Corrosion of 304 SS.</i> M. S. Thesis. June, 1979.	Euro-Log USA
21	James Arthur Trainham III	<i>Flow-Through Porous Electrodes.</i> Dissertation. August, 1979.	Vice President – Science & Technology, PPG Industries, Pittsburgh, PA 15272
22	Richard Pollard	Mathematical Modeling of the Lithium-Aluminum, Iron Sulfide Battery. Dissertation. December, 1979.	Shell Oil Company, Houston, TX
23	Clarence Garlan Law, Jr.	Corrosion of Iron. Dissertation. November, 1980.	DuPont Inc., Newark, DE
24	Peter Eugene Pierini	A Study of Ring and Ring-Disk Electrodes. Dissertation. May, 1981.	The Dow Chemical Company, Walnut Creek, CA 94598
25	Ellen Marie Pawlikowski	Vapor-Liquid Equilibria for Volatile, Weak Electrolytes in Aqueous Solutions. Dissertation. November, 1981.	Brigadier General and Director, US Air Force, Chantilly, VA 20151
26	Mark Edward Orazem	Mathematical Modeling and Optimization of Liquid-Junction Photovoltaic Cells. Dissertation. June, 1983.	Professor of Chemical Engineering, University of Florida, Gainesville, FL 32611
27	Gary George Trost	Applications of Porous Electrodes to Metal-Ion Removal and the Design of Battery Systems. Dissertation. September, 1983.	Research Engineer, Raychem Corporation, Menlo Park, CA 94025
28	Timothy Kent Risch	The Transport Properties of Sodium Poly- sulfide Melts and a	Senior Member, Technical Staff,

		Theoretical Comparison of Flow-Through and Flow-By Porous	Aerotherm Corporation,
		Electrodes at the Limiting Current. M. S. Thesis. December, 1983.	Mountain View, CA 94043
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^a – Verified on 04/11/2000

b - Verified on 08/20/1996

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5. Dr. Venkat Srinivasan was a postdoctoral student of Professor Newman from 2002-2003.