

**Richard and Patricia Spriggs Phase Equilibria Award  
History of Winners**

Date Awarded	Name	Awarded For:
2017	Masao Kita, Tomoaki Fukada, Shu Yamaguchi, Takahisa Omata	<i>"High temperature phases with wurtzite-derived structure in Zn<sub>2</sub>LiGaO<sub>4</sub>-ZnO alloy system"</i> , Published in Journal of Alloys and Compounds, 688, Part A 69-76 (2016)
2016	Andrea Quaini, Christine Guéneau, Stéphane Gossé, Bo Sundman, Dario Manara, Anna L. Smith, David Bottomley, Patrick Lajarge, Markus Ernstberger, Fiqiri Hodaj	<i>"High temperature investigation of the solid/liquid transition in the PuO<sub>2</sub>-UO<sub>2</sub>-ZrO<sub>2</sub> system"</i> , Published in Journal of Nuclear Materials, 467 (2015) 660-676
2015	Nan Zhang, Hiroko Yokota, A. Michael Glazer, Zihe Ren, D.A. Keen, Dean S. Keeble, Pamela A. Thomas, Zuo-Guang Ye	<i>"The missing boundary in the phase diagram of PbZr<sub>1-x</sub>Ti<sub>x</sub>O<sub>3</sub>"</i> , Published in NATURE COMMUNICATIONS 5, October 24, 2014, Article number 5231
2014	Mao Chen and Baojun Zhao	<i>"Phase Equilibrium Studies of "Cu<sub>2</sub>O"-SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> System in Equilibrium with Metallic Copper"</i> , Journal of the American Ceramic Society, vol. 96 [11] pp 3631-3636 (2013)
2013	Kiyoshi Kobayashi and Yoshio Sakka	<i>"Phase Relationships in the Quasi-Ternary LaO<sub>1.5</sub>-SiO<sub>2</sub>-MgO System"</i> , Science and Technology of Advanced Materials, vol. 13 [4] (2012)
2012	Jinichiro Nakano, Kyei-Sing Kwong, James Bennett, Thomas Lam, Laura Fernandez, Piyamanee Komolwit and Seetharaman Sridhar	<i>"Phase Equilibria in Synthetic Coal - Petcoke Slags (Al<sub>2</sub>O<sub>3</sub>-CaO-FeO-SiO<sub>2</sub>-V<sub>2</sub>O<sub>3</sub>) under Simulated Gasification Conditions"</i> , Energy & Fuels, vol. 25 [7], pp 3298-3306 (2011)
2011	Dae-Hee Woo, Hae-Geon Lee	<i>"Phase Equilibria of the MnO-SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub>-MnS System"</i> , Journal of the American Ceramic Society, 93 [7] 2098-2106 (2010)
2010	Genki Kobayashi, Shin-ichi Nishimura, Min-Sik Park, Ryoji Kanno, Masatomo Yashima, Takashi Ida, and Atsuo Yamada	<i>"Isolation of Solid Solution Phases in Size-Controlled Li<sub>x</sub>FePO<sub>4</sub> at Room Temperature"</i> , Advanced Functional Materials, 2009, 19, 395-403.
2009	Elena R. Andrievskaya	<i>"Phase equilibria in the refractory oxide systems of zirconia, hafnia and yttria with rare-earth oxides"</i> , Journal of the European Ceramic Society 28 (2008) 2363-2388.
2008	Soonil Lee, Clive A. Randall, and Zi-Kui Liu	<i>"Modified Phase Diagram for the Barium Oxide-Titanium Dioxide System for the Ferroelectric Barium Titanate"</i> , Journal of the American Ceramic Society, 90 [8] 2589-2594 (2007).

Date Awarded	Name	Awarded For:
2007	Winnie Wong-Ng, Zhi Yang, Lawrence Cook, Julia Frank, Mario Luong	"Subsolidus Phase Relationships of the BaO-R <sub>2</sub> O <sub>3</sub> -CuO <sub>z</sub> (R = Eu, Dy and Ho) Systems Under Carbonate-free Conditions at T = 810 °C and pO <sub>2</sub> = 100 Pa", Physica C 439 (2006) 93-100.
2007	A. Nicholas Grundy, Ming Chen, Bengt Hallstedt, Ludwig J. Gauckler	"Assessment of the La-Mn-O System", Journal of Phase Equilibria and Diffusion-26 (2) 131-151 (2005).
2006	Terrell A. Vanderah, Virginia Lea Miller, Igor Levin, S.M. Bell, and Taki Negas	"Phase Relations, Crystal Chemistry, and Dielectric Properties in Sections of the La <sub>2</sub> O <sub>3</sub> -CaO-MgO-TiO <sub>2</sub> System", J. Solid State Chem. 177, 2023-2038 (2004).
2005	Masao Morishita and Alexandra Navrotsky	Calorimetric Study of Nickel Molybdate: Heat Capacity, Enthalpy, and Gibbs Energy of Formation, J. Am. Ceram. Soc., 86[11]1927-32(2003).
2004	Theodore M. Besmann and Karl E. Spear	Thermochemical Modeling of Oxide Glasses, J. Am. Ceram. Soc., 85 [12] 2887-94 - (2002)
2003	Robert Roth	Lifetime Achievement