

Dr. P. Shiv Halasyamani

Education / Experience:

1988-1992	University of Chicago, B.Sc. (Honors) Chemistry
1992-1996	Northwestern University, Ph.D. Chemistry Advisor: Prof. Kenneth R. Poeppelmeier
1997-1998	Post-Doctoral Associate, University of Oxford
1998-1999	Junior Research Fellow, Christ Church, University of Oxford Advisor: Prof. Dermot O'Hare
1999-2005	Assistant Professor, Department of Chemistry, University of Houston
2005-2008	Graduate Chairman, Department of Chemistry, University of Houston
2005-2010	Associate Professor, Department of Chemistry, University of Houston
2010-present	Professor, Department of Chemistry, University of Houston

Awards and Honors:

2001	NSF Career Award
2002	Beckman Young Investigator
2003	ExxonMobil Solid State Faculty Award
2004	Excellence in Research Award (UH) - Assistant Professor Level
2007-2010	Editorial Advisory Board: Inorganic Chemistry
2008-2013	Associate Editor: Materials Research Bulletin
2008-2016	Russian Science Foundation Reviewer
2008	Guest Editor: Inorganic Chemistry – Functional Inorganic Materials
2008-present	Adjunct Professor: Xinjiang Tech. Inst. of Physics and Chemistry – Chinese Academy of Sciences
2009	Excellence in Research Award (UH) - Associate Professor Level
2010	UH Honors Society Fellow
2010	Dow Lecturer – University of Minnesota
2011	Visiting Professor for International Scientists – Chinese Academy of Sciences
2012	Guest Editor: Journal of Solid State Chemistry – Polar Inorganic Materials
2013-present	Editorial Advisory Board: Chemistry of Materials
2013-2015	Peer Review Panel Member - Diamond Light Source UK
2013-present	Associate Editor: Inorganic Chemistry
2014-present	ORNL Neutron Sciences Review Committee
2014-2015	European Research Council Panelist
2014	Roy-Somiya Award: International Solvothermal and Hydrothermal Assoc.
2015	High-End Foreign Experts Project Award - CAS People's Rep. China
2016	Norwegian Centre of Excellence Reviewer
2016-present	Beckman Young Investigator Reviewer and Panelist
2017	Irish Research Council Reviewer
2018-present	Beckman Foundation Executive Committee Member

Patents:

“Ferroelectric fluoride compositions and methods of making and using same” US Patent No. 8,999,189; Chang, H.Y. and Halasyamani, P.S., **April 7, 2015**.

“Method for the Crystal Growth of New Functional Materials” (Patent Pending); Zhang, W. and Halasyamani, P.S., November **2011**.

“A Nonlinear Optical Material and Methods of Fabrication” (Patent Pending); Yu, H. and Halasyamani, P.S., April **2015**.

195 Peer-Reviewed Publications: ISI index h = 50 (> 7700 citations), Google Scholar index h = 55 (> 10100 citations)

1. Halasyamani, P.S. and Zhang, W., *Viewpoint: Inorganic Materials for UV and Deep-UV Nonlinear Optical Applications*, Inorg. Chem., 56, 12077-12085, **2017**.
2. Zhu, T., Cohen, T., Gibbs, A., Zhang W., Halasyamani, P.S., Hayward, M., and Benedek, N., *Theory and Neutrons Combine to Reveal A Family of Layered Perovskites Without Inversion Symmetry*, Chem. Mater., 29, 9489-9497, **2017**.
3. Zhang, W. and Halasyamani, P.S., *Crystal Growth and Optical Properties of a UV Nonlinear Optical Material $KSrCO_3F$* , CrystEngComm, 19, 4742-4748, **2017**.
4. Zhang, R., Gibbs, A. S., Zhang, W., Halasyamani, P.S., and Hayward, M.A., *Structural modification of the cation-ordered Ruddlesden-Popper phase $YSr_2Mn_2O_7$ by cation exchange and anion insertion*, Inorg. Chem., 56, 9988-9995, **2017**.
5. Ali, S.I., Zhang, W., Halasyamani, P.S., Johnsson, M., *$Zn_3Sb_4O_6F_6$: Hydrothermal synthesis, Crystal Structure, and Nonlinear Optical Properties*, J. Solid State Chem., 256C, 158-161, **2017**.
6. Wu, H., Yu, H., Zhang, W., Cantwell, J., Poeppelmeier, K.R., Pan, S., and Halasyamani, P.S., *Crystal Growth, Linear and Nonlinear Optical Properties of $KIO_3 \cdot Te(OH)_6$* , Cryst. Growth and Des., 17, 4405-4412, **2017**.
7. Yu, H., Young, J., Wu, H., Zhang, W., Rondinelli, J.M., and Halasyamani, P.S., *The Next Generation of Nonlinear Optical Material $Rb_3Ba_3Li_2Al_4B_6O_{20}F$ - Synthesis, Characterization, and Crystal Growth*, Adv. Opt. Mater., 1700840, **2017**.
8. Ghara, S., Suard, E., Francois, F., Tran, T.T., Halasyamani, P.S., Iyo, A., Rodriguez-Carvajal, J., and Sundaresan, A., *Ordered aeschynite-type polar magnets $RFeWO_6$ ($R = Dy, Eu, Tb, \text{ and } Y$): A new family of type-II multiferroics*, Phys. Rev. B., 95, 224416, **2017**.
9. Wu, H., Yu, H., Pan, S., and Halasyamani, P.S., *A Deep-Ultraviolet NLO Material $K_3Sr_3Li_2Al_4B_6O_{20}F$: Addressing the Structural Instability Problem in $KBe_2BO_3F_2$* , Inorg. Chem., 56, 8755-8758, **2017**.
10. Zhang, W., Yu, H., Wu, H., and Halasyamani, P.S., *Phase-Matching in Nonlinear Optical Compounds: A Materials Perspective*, Chem. Mater., 29, 2655-2668, **2017**.

11. Yu, H., Young, J., Wu, H., Zhang, W., Rondinelli, J.M., and Halasyamani, P.S., *M₄Mg₄(P₂O₇)₃ (M = K, Rb): Structural Engineering of Pyrophosphates for NLO Applications*, Chem. Mater., 29, 1845-1855, **2017**.
12. Wu, H., Yu, H., Zhang, W., Cantwell, J., Poeppelmeier, K.R., Pan, S., and Halasyamani, P.S., *Top-Seeded Solution Crystal Growth, Linear and Nonlinear Optical Properties of Ba₄B₁₁O₂₀F (BBOF)*, Cryst. Growth Des., 17, 1404-1410, **2017**.
13. Tran, T.T., Koocher, N.Z., Rondinelli, J.M., and Halasyamani, P.S., *Be-free β-Rb₂Al₂B₂O₇ (β-RABO) as a Possible Deep-Ultraviolet Nonlinear Optical Material Replacement for KBe₂BO₃F₂ (KBBF)*, Angew. Chemie, 56, 2969-2973, **2017**.
14. Olchowka, J., Colmont, M., Aliev, A., Tran, T.T., Halasyamani, P.S., Hagemann, H.R., and Mentré, O., *New oxo-centered bismuth oxo-arsenates; Critical effect of PO₄ for AsO₄ substitution*, CrystEngComm, 19, 936-945, **2017**.
15. Tran, T.T., Young, J., Rondinelli, J.M., and Halasyamani, P.S., *Mixed-Metal Carbonate Fluorides as Deep-Ultraviolet Non-linear Optical Materials*, J. Am. Chem. Soc., 139, 1285-1295, **2017**.
16. Abeysinghe, D., Smith, M.D., Yeon, J., Tran, T.T., Halasyamani, P.S., and zur Loye, H.-C., *Crystal Growth and Structure Analysis of Ce₁₈W₁₀O₅₇: A Complex Oxide Containing Tungsten in an Unusual Trigonal Prismatic Coordination Environment*, Inorg. Chem., 56, 2566-2575, **2017**.
17. Geng, L., Li, Q., Yan, H., Dai, K., and Halasyamani, P.S., *Sb-based Antiferromagnetic Oxychlorides: MSb₂O₃(OH)Cl (M = Mn, Fe, Co) with 2D Spin-Dimer Structures*, Dalton Trans., 45, 18183-18189, **2016**.
18. Khatri, N., Publico-Lansigan, M., Boncher, W., Mertzman, J., Labatete, A., Grande, L., Wunder, D., Prushan, M., Zhang, W., Halasyamani, P.S., de-Bettencourt-Dias, A., and Stoll, S., *Luminescence and NonLinear Optical Properties in Copper (I) Halide Extended Networks*, Inorg. Chem., 55, 11408-11417, **2016**.
19. Cochrane, A.K., Telfer, M., Dixon, C. A. L., Zhang, W., Halasyamani, P.S., Bousquet, E., and Lightfoot, P., *NdBaScO₄: aristotype of a new family of geometric ferroelectrics*, Chem. Commun., 52, 10980-10983, **2016**.
20. Tran, T.T., Yu, H., Rondinelli, J.R., Poeppelmeier, K.R., and Halasyamani, P.S., *Deep Ultraviolet Nonlinear Optical Materials*, Chem. Mater., 28, 5238-5258, **2016**.
21. Zhang, R., Abbet, B.M., Read, G., Lang, F., Lancaster, T., Tran, T.T., Halasyamani, P.S., Blundell, S.J., Benedek, N.A., and Hayward, M.A., *La₂SrCr₂O₇: Controlling the tilting distortions of n = 2 Ruddlesden-Popper phases through A-site cation order*, Inorg. Chem., 55, 8951-8960, **2016**.
22. Zhang, W., Yu, H., Wu, H., and Halasyamani, P.S., *Crystal Growth and associated properties of a nonlinear optical crystal - Ba₂Zn(BO₃)₂*, Crystals, 6, 68-74, **2016**.

23. Zhang, W., Yu, H., Cantwell, J., Wu, H., Poeppelmeier, K.R., and Halasyamani, P.S., *LiNa₅Mo₉O₃₀: Crystal Growth, Linear and Non-linear Optical Properties*, Chem. Mater., 28, 4483-4491, **2016**.
24. Yu, H., Cantwell, J., Wu, H., Zhang, W., Poeppelmeier, K.R., and Halasyamani, P.S., *Top-Seeded Solution Crystal Growth, Morphology, Optical and Thermal Properties of Ba₃(ZnB₅O₁₀)PO₄ (BZBP)*, Cryst. Growth Des., 16, 3976-3982, **2016**.
25. Yu, H., Young, J., Wu, H., Zhang, W., Rondinelli, J.M., and Halasyamani, P.S., *Electronic, Crystal Chemistry, and Nonlinear Optical Property Relationships in the Dugganite A₃B₃CD₂O₁₄ Family (A = Sr, Ba or Pb; B = Mg or Zn; C = Te or W, and D = P or V)*, J. Am. Chem. Soc., 138, 4984-4989, **2016**.
26. Kim, H.G., Tran, T.T., Choi, W., You, T.-S., Halasyamani, P.S., and Ok, K.M., *Two New Noncentrosymmetric (NCS) n = 3 Layered Dion-Jacobson (DJ) Perovskites: Polar RbBi₂Ti₂NbO₁₀ and Nonpolar CsBi₂Ti₂TaO₁₀*, Chem. Mater., 28, 2424-2432, **2016**.
27. Morrison, G., Tran, T. T., Halasyamani, P.S., and zur Loye, H.-C., *K₈(K₅F)U₆Si₈O₄₀: The First Intergrowth Uranyl Silicate*, Inorg. Chem., 55, 3215-3217, **2016**.
28. Zhang, W. and Halasyamani, P.S., *Top-seeded solution crystal growth of Noncentrosymmetric and Polar Zn₂TeMoO₇ (ZTM)*, J. Solid State Chem., 236, 32-38, **2016**.
29. Yu, H., Zhang, W., and Halasyamani, P.S., *Large Birefringent Materials: Na₆Te₄W₆O₂₉ and Na₂TeW₂O₉ - Synthesis, structure, crystal growth, and characterization*, Cryst. Growth Des., 16, 1081-1087, **2016**.
30. Yaghoobnejad A. H., Morris, R., Tran, T. T., Halasyamani, P.S., Ghosh, K., and Choudhury, A., *A Cubic Non-centrosymmetric Mixed-valence Iron Borophosphate-Phosphite*, Cryst. Growth Des., 16, 1187-1194, **2016**.
31. Yu, H., Zhang, W., Young, J., Rondinelli, J.M., and Halasyamani, P.S., *Bidenticity Enhanced Second Harmonic Generation from Pb-Chelation in Pb₃Mg₃TeP₂O₁₄*, J. Am. Chem. Soc., 138, 88-91, **2016**.
32. McCabe, E.E., Bousquet, E., Stockdale, C.P.J., Deacon, C.A., Tran, T.T., Halasyamani, P.S., Stennett, M.C., Hyatt, N.C., *Synthesis, structure and properties of CsBi₂Ti₂NbO₁₀: A new layered perovskite proper ferroelectric*, Chem. Mater., 27, 8298-8309, **2015**.
33. Yu, H., Zhang, W., Young, J., Rondinelli, J.M., and Halasyamani, P.S., *Design and Synthesis of the Beryllium-Free Deep-Ultraviolet Nonlinear Optical Material Ba₃(ZnB₅O₁₀)PO₄*, Adv. Mater., 27, 7380-7385, **2015**. (DOI: 10.1002/adma.201503951)
34. Bohem, M. E., Pook, N.-P., Adam, A., Tran, T. T., Halasyamani, P. S., Entenmann, M., Schleid, T., *Luminescence and Scintillation Properties of La₂[Si₂O₇]:Ce³⁺ functional pigment - A concept for UV-protection coatings*, Dyes and Pigments, 123, 331-340, **2015**.
35. Tran, T.T., He, J., Rondinelli, J.M., and Halasyamani, P.S., *RbMgCO₃F - A New Deep-Ultraviolet Nonlinear Optical Material*, J. Am. Chem. Soc., 137, 10504-10507, **2015**.

36. Gerke, B., Tran, T. T., Pottgen, R., and Halasyamani, P.S., *¹¹⁹Sn Mossbauer Spectroscopy of Solvothermally Synthesized Fluorides $ASnF_3$ ($A = Na, K, Rb, Cs$)*, Z. Naturforsch., 70, 765-767, **2015**.
37. Latshaw, A.M., Wilkins, B.O., Hughey, K.D., Yeon, J., Williams, D.E., Tran, T.T., Halasyamani, P.S., and zur Loye, H.-C., *$A_3RE_4X[TO_4]_4$ Crystal Growth and Photoluminescence. Part 2. Fluoride Flux Synthesis of Sodium and Potassium Rare Earth Silicate Oxyfluorides*, CrystEngComm, 17, 4654-4661, **2015**.
38. Kim, S.W., Zhang, R., Halasyamani, P.S., and Hayward, M.A., *$K_4Fe_3F_{12}$: An Fe^{2+}/Fe^{3+} charge-ordered, ferrimagnetic fluoride with a cation-deficient, layered perovskite structure*, Inorg. Chem., 54, 6647-6652, **2015**.
39. Morrison, G., Smith, M.D., Tran, T.T., Halasyamani, P.S., and zur Loye, H.-C., *Synthesis and Structure of a New Pentanary Uranium (VI) Silicate: $K_4CaUSi_4O_{14}$* , CrystEngComm, 17, 4218-4224, **2015**.
40. Yu, H., Wu, H., Jing, Q., Yang, Z., Halasyamani, P. S., and Pan, S., *Polar Polymorphism: α -, β -, and γ - $Pb_2Ba_4Zn_4B_{14}O_{31}$ - Synthesis, Characterization, and Nonlinear Optical Properties*, Chem. Mater., 27, 4779-4788, **2015**.
41. Cortese, A., Wilkins, B., Smith, M., Yeon, J., Morrison, G., Tran, T.T., Halasyamani, P.S., and zur Loye, H.-C., *Crystal Growth of Four Oxovanadium(IV) Tartrates Prepared via a Mild Two Step Hydrothermal Method: Observation of Spin Dimer Behavior and Second Harmonic Generation*, Inorg. Chem., 54, 4011-4020, **2015**.
42. Kim, Y.H., Tran, T.T., Halasyamani, P.S., and Ok, K.M., *Macroscopic polarity control with alkali metal cation size and coordination environment in a series of tin iodates*, Inorg. Chem. Frontiers, 2, 361-368, **2015**.
43. Mandal, P., Manjoh-Sanz, A., Corkett, A.J., Comyn, T.P., Dawson, K., Stevenson, T., Bennett, J., Henrichs, L.F., Bell, A.J., Nishibori, E., Takata, M., Zanella, M., Dolgos, M.R., Adem, U., Wan, X., Pitcher, M.J., Romani, S., Tran, T.T., Halasyamani, P.S., Claridge, J.B., and Rosseinsky, M.J., *Morphotropic Phase Boundary in the Pb-Free $(1-x)BiTi_{3/8}Fe_{2/8}Mg_{3/8}O_3 - xCaTiO_3$ System: Tetragonal Polarization and Enhanced Electromechanical Properties*, Adv. Mater., 27, 2883-2889, **2015**.
44. Donakowski, M.D., Gautier, R., Lu, H., Tran, T.T., Cantwell, J., Halasyamani, P.S., and Poeppelmeier, K.R., *Synthesis of Two Vanadium Oxide-Fluoride Materials that Differ in Phase Matchability*, Inorg. Chem., 54, 765-772, **2015**.
45. Cammarata, A., Zhang, W., Halasyamani, P.S., Rondinelli, J.M., *Microscopic Origins of Optical Second Harmonic Generation in Noncentrosymmetric-Nonpolar Materials*, Chem. Mater., 26, 5773-5781, **2014**.
46. Patino, M.A., Smith, M., Zhang, W., Halasyamani, P.S., and Hayward, M.A., *Cation Exchange in a 3D Perovskite - Synthesis of $Ni_{0.5}TaO_3$* , Inorg. Chem., 53, 8020-8024, **2014**.

47. Tran, T.T., Halasyamani, P.S., and Rondinelli, J., *Role of Acentric Displacements on the Crystal Structure and Second-Harmonic Generating Properties of RbPbCO₃F and CsPbCO₃F*, Inorg. Chem., 53, 6241-6251, **2014**.
48. Greenblatt, M., Retuerto, M., Li, M., Ignatov, A., Croft, M., Hodges, J., Tran, T.T. and Halasyamani, P.S., *Crystallographic and magnetic properties of Pb_{2-x}Bi_xIr₂O_{7-d}*, Mater. Res. Express, 1, 046304/1 - 046304/12, **2014**.
49. Thao, T.T. and Halasyamani, P.S., *Synthesis and Characterization of ASnF₃ (A = Na⁺, K⁺, Cs⁺)*, J. Solid State Chem., 210, 213-218, **2014**.
50. Aliev, A., Endara, D., Huve, M., Colmont, M., Roussel, P., Tran, T. T., Halasyamani, P.S., and Mentre, O., *Labile degree of disorder in Bismuth-oxyphosphates compounds: illustration through three new structural types*, Inorg. Chem., 53, 861-871, **2014**.
51. Holland, M, Donakowski, M.D., Pozzi, E.A., Rasmussen, A.M., Tran, T.T., Pease-Dodson, S.E., Halasyamani, P.S., Seideman, T., Van Duyne, R.P., Poeppelmeier, K.R., *Polar Alignment of Lambda-Shaped Basic Building Units within Transition Metal Oxide Fluoride Materials*, Inorg. Chem., 53, 221-228, **2014**.
52. Luo, K., Tran, T.T., Halasyamani, P.S., and Hayward, M.A., *Synthesis and Selective Topochemical Fluorination of the cation and anion-vacancy ordered phases Ba₂YCoO₅ and Ba₃YCo₂O_{7.5}*, Inorg. Chem., 52, 13762-13769, **2013**.
53. Pachoud, E., Zhang, W., Tapp, J., Liang, K.-C., Lorenz, B., Chu, C.W., and Halasyamani, P.S., *Single Crystal Growth, Structure, and Physical Properties of LiCrP₂O₇*, Cryst. Growth Des., 13, 5473-5480, **2013**.
54. Yeon, J., Smith, M.D., Sefat, A.S., Tran, T.T., Halasyamani, P.S., zur Loye, H.C., *U₃F₁₂(H₂O), a Non-Centrosymmetric Uranium Fluoride Prepared via a Convenient In-Situ Route that Creates of U⁴⁺ Cations under Mild Hydrothermal Conditions*, Inorg. Chem., 52, 8303-8305, **2013**.
55. Retuerto, M., Li, M.R., Go, Y.B., Ignatov, A., Croft, M., Ramanujachary, K.V., Herber, R.H., Nowik, I., Hodges, J.P., Dachraui, W., Hadermann, J., Van Tendeloo, G., Tran, T.T., Halasyamani, P.S., Greenblatt, M., *Polar and magnetic layered A-Site and rock salt B-Site Ordering NaLnFeWO₆ (Ln = La, Nd) perovskites*, Inorg. Chem., 52, 12482-12491, **2013**.
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57. Lu, H.; Gautier, R.; Donakowski, M.; Tran, T. T.; Edwards, B.; Nino, J.; Halasyamani, P.S.; Liu, Z.; Poeppelmeier, K.R., *Non-Linear Active Materials: An Illustration of Controllable Phase Matchability*, J. Am. Chem. Soc., 135, 11942-11950, **2013**.
58. Li, M.-R, Walker, D., Retuerto, M., Sarkar, T., Hadermann, J. Stephens, P.W., Croft, M., Ignatov, A., Hemberger, J., Nowik, I., Halasyamani, P.S., Tran, T.T., Mukherjee, S., Dasgupta, T.S., Greenblatt, M., *Polar Mn₂FeMO₆ (M = Nb, Ta) with LiNbO₃-type Structure - High Pressure Synthesis*, Angew. Chemie, 52, 8406-8410, **2013**.

59. Yeon, J., Sefat, A.A., Tran, T.T., Halasyamani, P.S., zur Loye, H.-C., *Crystal Growth, Structure, Polarization and Magnetic Properties of Cesium Vanadate, Cs₂V₃O₈: A Structure-Property Study*, Inorg. Chem., 52, 6179-6186, **2013**.
60. Luo, K., Johnson, R.D., Tran, T.T., Halasyamani, P.S., Radaelli, P.G., and Hayward, M.A., *Ba₂YFeO_{5.5} – A Ferromagnetic Pyroelectric Phase Prepared by Topochemical Oxidation*, Chem. Mater., 25, 1800-1808, **2013**.
61. Lee, E.P., Lee, D.W., Cho, Y.-H., Tran, T.T., Halasyamani, P.S., and Ok, K.M., *Large scale synthesis, second-harmonic generation, and piezoelectric properties of a noncentrosymmetric vanadium phosphate, Li₂VPO₆*, J. Solid State Chem., 202, 22-26, **2013**.
62. Halasyamani, P.S., *Chemistry of Polar Transition Metal Oxides*, In: Comprehensive Inorganic Chemistry II, Vol. 2., Eds. Jan Reedijk and Kenneth R. Poeppelmeier, Oxford, Elsevier Press, 41-61, **2013**.
63. Nguyen, S. D. and Halasyamani, P.S., *Synthesis, Structure, and Characterization of Two New Polar Sodium Tungsten Selenites: Na₂(WO₃)₃(SeO₃) · 2H₂O and Na₆(W₆O₁₉)(SeO₃)₂*, Inorg. Chem., 52, 2637-2647, **2013**.
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65. Andriyevsky, B., Yeon, J., Halasyamani, P.S., Pilz, T., Doll, K., and Jansen, M., *DFT-based ab-initio study of dielectric and optical properties of bulk Li₂B₃O₄F₃ and Li₂B₆O₉F₂*, J. Phys. Chem. Solids, 74, 617-623, **2013**.
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Invited Presentations:

Universities

United States:

Indiana University	Duquesne University	Clemson University
Auburn University	Georgia Inst. Tech.	University of South Carolina
North Carolina State Univ.	Ohio State University	Notre Dame University
University of Michigan	Michigan State Univ.	University of New Orleans
Northwestern University	Purdue University	Cornell University
Columbia University	UC – Santa Barbara	University of Minnesota
Haverford College	Oak Ridge National Lab.	University of Iowa
University of Oregon	California Inst. Tech.	New York University
University of Delaware	Baylor University	Colorado School of Mines
Colorado State Univ.	Johns Hopkins University	University of Florida
Florida State Univ.	SUNY - Stony Brook	

International:

University of Sofia	University of Barcelona	University of Nantes
University of Bordeaux	Augsburg University	Indian Institute of Science
University of Chile, Santiago	University of Edinburgh	University of St. Andrews
University of Tübingen	MPI – Stuttgart	University of Stuttgart
Ho Chi Minh University	Stockholm University	Peking University
USTC Beijing	Xinjiang Technical Institute of Physics and Chemistry	
Nanjing University	Fujian Institute of Research on the Structure of Matter	
Wuhan University	Shandong University	University of Buenos Aires
Aalto University	ETH Zurich	University of Berne
IST Austria	CSIR - Hyderabad	TFIR - Hyderabad

Symposium Organizer:

International Union of Crystallography (Florence, Italy, 2005)
Southwest Regional ACS Meeting (Houston, 2006)
National Materials Research Society Meeting (Boston, 2010)
International Materials Research Congress (Cancun, 2012)
International Materials Research Congress (Cancun, 2013)
Solid State Gordon Conference - Vice-Chair (Colby-Sawyer, NH, 2018)
Solid State Gordon Conference - Chair (Colby-Sawyer, NH, 2020)

Collaborators:

Prof. Jon Spanier (Drexel University) Prof. Shiou-Jyh Hwu (Clemson University)
Prof. Alexander Norquist (Haverford College) Prof. Jennifer Aitken (Duquesne University)
Prof. Patrick Woodward (Ohio State Univ.) Prof. Ram Seshadri (UC – Santa Barbara)
Prof. Chris Leighton (University of Minnesota) Prof. Mike Marvel (Aurora University)
Prof. Hanno zur Loye (Univ. South Carolina) Prof. Catherine Oertel (Oberlin College)
Prof. Barbara Reisner (James Madison Univ.) Prof. Martha Greenblatt (Rutgers Univ.)
Prof. Peter Khalifah (SUNY – Stonybrook) Prof. Steve Martin (Iowa State Univ.)
Prof. Kenneth R. Poepelmeier (Northwestern Univ.) Prof. Dan Reger (Univ. South Carolina)

Prof. Simon Clarke (University of Oxford) Prof. Michael Hayward (University of Oxford)
Prof. Santiago Alvarez (Univ. of Barcelona) Prof. Matthew Rosseinsky (Univ. Liverpool)
Prof. Martin Jansen (MPI – Stuttgart) Prof. Phil Lightfoot (University of St. Andrews)
Prof. Pantelis Trikalitis (University of Crete) Prof. Yoshiyuki Inaguma (Gakushuin University)
Prof. Xutang Tao (Shandong University) Prof. Jinqiu Qin (Wuhan University)
Prof. Zhengtao Xu (City Univ. of Hong Kong) Prof. Ivana Evans (Durham University)
Prof. Artem Babaryk (University of Kyiv) Prof. Alexei Belik (NIMS, Japan)
Prof. Oliver Mentre (University Lille) Dr. Gwilherm Nenert (PANalytical)
Prof. Mark Green (Univ. Kent) Prof. Mats Johnsson (Univ. Stockholm)
Prof. Emma McCabe (Univ. Kent) Prof. Shilie Pan (Xinjiang Institute)

Students and Post-doctoral Associates:

Post-doctoral Associates and Visiting Scholars (Current): Dr. Weiguo Zhang, Dr. Yanjun Li, Dr. Tongqing Sun, *Dr. Lili Lu

*Graduate Students (Current):**Meng Shang

Post-doctoral Associates (Previous) – Current position:

Dr. N.S.P. Bhuvanesh (9/99 – 8/01) – *Research Instrument Specialist, Texas A&M*

Dr. Zhong-le Huang (4/01 – 4/02) – *Research Scientist, Institut für Anorganische Chemie Christian-Albrechts-Universität zu Kiel*

*Dr. Joanna Goodey (9/01 – 7/02) - *Senior Lecturer and Associate Graduate Advisor, Texas A&M*

Dr. Lei Zhang (6/02 – 5/04) – *Research Scientist, State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University, Beijing*

*Dr. Oya Gokcen (1/03 – 1/04) – *Research Scientist, Space Vacuum Epitaxy Center, Univ. Houston*

*Dr. Ranbo Yu (2/03 – 2/04) – *Associate Professor, University of Science and Technology, Beijing*

*Dr. Eunok Chi (4/03 – 3/06) - *DC Chemical Company, Seoul, Korea*

Dr. Kang Min Ok (1/04 – 3/06) - *Professor Chung-Ang University, Korea*

Dr. T. Sivakumar (8/04 – 3/07) – *Post-doctoral Associate, Tokyo Institute of Technology*

Dr. Jun Ho Kim (6/06 – 6/08) – *DC Chemical Company, Seoul, Korea*

Dr. Sang-Hwan Kim (4/08 – 6/11) – *Research Scientist DuPont Company*

Dr. P. Shiv Halasyamani – CV

*Dr. Elise Pachoud (1/12 - 6/13) - *Post-doctoral Associate, Edinburgh University*

Dr. Hongwei Yu (9/14 - 2/16) - *Professor, Xinjiang Inst. of Physics and Chemistry, CAS*

*Dr. Hongping Wu (1/15-1/16) - *Professor, Xinjiang Inst. of Physics and Chemistry, CAS*

Graduate Students (Previous) – Current position:

Kang Min Ok (Ph.D. Dec. '03 - *Professor Chung-Ang University, Korea*)

*Yetta Porter (Ph.D. Dec. '03 - *Research Scientist, Lawrence Berkeley National Laboratory*)

Hong-Young Chang (Ph.D. Aug., '09 - *Post-doctoral Assoc. UT-Austin*)

Jaewook Baek (M.S. Aug., '09 - *Chief Chemist ExperTox Inc., Houston, TX*)

Jeongho Yeon (Ph.D. Aug., '11 - *Research Scientist - Crystal Growth Group, Coherent Lasers*)

Sau Doan Nguyen (Ph.D. Dec., '12 – *Post-doctoral Assoc., Univ. Northern Colorado*)

*HaNa Lee (M.S. May '13 - *LG Chemicals, Korea*)

Sun Woo Kim (Ph.D. August '14 - *Assistant Professor, Chosun University, Korea*)

Thanh Thao Tran (Ph.D. June '15 - *Post-doctoral Assoc., Johns Hopkins University*)

Undergraduate Students: 20 Total, 12 from Under-represented Groups;

*Lisa Ramadghie (6/00 – 8/00), Axel Mueller (1/01 – 4/01), *Claudia Wagner (4/01 – 7/01),

*Cinttya Chavez (5/01 – 7/01), *Francisco Escobedo (5/02 – 7/02), Jake Broussard (9/01 – 5/02),

*Alex Gittens (5/02 – 12/02), Hyun-Seup Ra (1/03 – 4/03), *Jolea Bryant (5/03 – 7/03), Joseph

Orzechowski (6/03 – 7/03), *Maria Guardiola (5/04 – 7/04), *Alexandra Fursina (2/05 – 8/05),

*Pascaline Lauriol (1/06 – 7/06), *Angelica Torres (5/06 – 8/06), *Mary Elhardt (5/06 – 8/06), Brian

Berger (5/06 – 8/06), Casey Hood (1/08 – 1/09), *Antonio Pontifes (5/09 – 12/09), Stephan Tam

(5/10 – 12/11); Thong Tran (1/12 – 6/12)

*Member of an under-represented group.