CURRICULUM VITAE

Oh Joo Tien
Associate Professor
School of Materials Science and Engineering

Academic Qualifications

2000	PhD (Materials Engineering), Nanyang Technological University of Singapore
1994	Master of Metallurgy, Sheffield University
1993	Master of Engineering, National University of Singapore
1981	BSc (Hons) in Materials Engineering, Queen Mary College, University of London

Professional Qualifications / Memberships

1990 – Present	Member, Institution of Materials, Minerals and Mining	United Kingdom
1990 – Present	Chartered Engineer, Engineering Council	United Kingdom

Summary of Working Experience

Jan 1999 – Present	Associate Professor, School of Materials Science and Engineering, NTU
May 2006 – Aug 2006	Adjunct Research Associate, Pennsylvania State University
Jul 2000 – Apr 2003	Head of Division, School of Materials Science and Engineering, NTU
Jan 1994 – Dec 1998	Senior Lecturer, School of Applied Science, NTU
Jul 1991 – Jan 1994	Lecturer (ASDS), School of Applied Science, NTU
Sep 1989 – Apr 1991	Research Assistant, National University of Singapore
Nov 1983 – Aug 1989	Assistant Manager (Technical), Perwaja Trengganu Sdn Bhd, Malaysia (Integrated Iron & Steel Mills)
Apr 1983 – Nov 1983	Foundry Metallurgist, Tasek Iron and Steel Foundry, Malaysia
Dec 1981 – Apr 1983	Foundry Metallurgist, United Engineers (M) Ltd, Malaysia

RESEARCH SUMMARY

Key Areas of Research

- Magnetic Materials
- Degradation of Electrical Instruments
- Electron Microscopy
- Physical Characterisation of Materials

Invited Presentations *(list in chronological order, starting with the most recent)*

1. Oh J. T. (2020). FeCo—2V Soft Magnetic Alloys for Electrical Machine Applications, MSE - Faculty Seminar @ NTU Series, School of Materials Science and Engineering, NTU, 11 Mar 2020.

2. Oh J. T. (2012). Invited Expert Evaluator - Evaluation and presentation of European Commission Research proposal under programme call FP7-NMP-2012-SMALL-6, Photocatalytic Materials for Depollution, Brussels, Belgium.

Research Funding

<For Co-PI grants, or where grants are from larger block grants to NTU, pls indicate both share of grant and total grant amount, e.g. "300,000 (600,000)".>

External Grants *(list in chronological order, starting with the most recent)*

Role	Year	Project Title	Amount (S$)	Source of Grant
Co-PI	2021 - 2023	Distribution Switchgear Degradation Study	2,610,527.40 (25%)	SP Power Assets Limited
Co-PI	2021 - 2023	Distribution Switchgear Degradation Study	2,398,860.60 (25%)	EMA - NRF
Co-PI	2019 – 2024	Advanced Repair and Materials (ARMS 2.2.): Soft Magnetic Materials Development for High Performance Aerospace Electrical Machines	303,348 (445,845)	NTU - Rolls-Royce - NRF
Co-PI	2017 – 2019	M-RT 3.4 Electrical Materials Development: Soft Magnetic Materials Development for High Performance Aerospace Electrical Machines	61,313 (613,128)	NTU - Rolls-Royce - NRF

Internal Grants *(list in chronological order, starting with the most recent)*

Role	Year	Project Title	Amount (S$)	Source of Grant
PI	2001 - 2004	Processing of Nanostructured Nickel-	229,150	MOE AcRF Tier 1

		based Magnetic Materials		
Collaborator	1998	Development of Multi-Layer Ceramics Components	227,415	MOE AcRF Tier 1
Collaborator	1997	High Temperature Advanced Materials	248,470	MOE AcRF Tier 1
Collaborator	1997	Synthesis and Structural Study of Ultrahard Material, β-C_3N_4	181,337	MOE AcRF Tier 1
Collaborator	1997	Investigation of Substrate Texturing on the Microstructure and Magnetic Properties of Cobalt-based Thin Film Disks for Magnetic Recording	248,000	MOE AcRF Tier 1

Citation Summary

Database	Citation Count		H-index
	without self-citations	with self-citations	
Scopus	503	512	14
Web of Science (SCI)	474	483	13
Google Scholar		N/A	N/A

Publications *(in chronological order, starting with the most recent)*

Bold	Denotes main author (the person who has made the most scientific/intellectual contribution)
Underline	Denotes 1st academic author (only one 1st faculty author for each publication and this refers to a faculty and not a student. Faculty can be the 1st academic author if he is the main supervisor or co-supervisor. Being the 1st academic author, faculty name should be preceded by student / research staff (can be more than one) and that faculty's student / research staff is the first author)
^	Denotes corresponding author
~	Denotes PI/ Supervisor/Team Lead
**	Denotes directly supervised research staff, i.e. POs, RAs, RFs, postdocs, etc.
*	Denotes PhD students (supervised or co-supervised)
+	Denotes other students and research staff
##	Denotes Tier 1A papers
#	Denotes Tier 1B papers
§	Denotes equal contributions of authorship

Note:

- The symbols only apply to PT candidates (except for the students/researcher**/ other student & research staff+)*

- Schools may adopt part of the legend for publications deemed relevant, and advise the PT candidates to use the symbols that are appropriate and relevant for their disciplines. If in doubt, pls check with PT Secretariat.

- "Underline" and use of the symbols "+" and "§" are not applicable for CoE.

Journal Papers

1. Li Z.**, Chen Z., **Oh J.T.~^**, Wang Z., Feng, L. and Lambourne A. (2020). Effect of punching edge deformation on the magnetic properties of Fe_{49}-Co_{49}-V_2 alloy. Journal of Magnetism and Magnetic Materials, 510, 166978. #

2. Gheisary K.*, Bhame S.D., **Oh J.T.~**, and Javadpour S. (2013). Comparative Studies on the Structure and Magnetic Properties of Ni–Zn Ferrite Powders Prepared by Glycine-Nitrate Auto-combustion Process and Solid State Reaction Method. Journal of Superconductivity and Novel Magnetism, 26, 477-483.

3. Tang Y., Tao J., Dong Z., Oh J.T., and Chen Z. (2011). The formation of micrometer-long TiO_2 nanotube arrays by anodization of titanium film on conducting glass substrate. Advances In Natural Sciences: Nanoscience and Nanotechnology, 2, 045002.

4. Gheisari Kh.*, **Oh J.T.~**, and Javadpour S. (2011). The effect of heat treatment on the structure and magnetic properties of mechanically alloyed Fe–45%Ni nanostructured powders. Journal of Alloys and Compounds, 509(3), 1020-1024. #

5. Gheisari Kh.*, Javadpour S., **Oh J.T.~**, and Ghaffari, M. (2009). The effect of milling speed on the structural properties of mechanically alloyed Fe–45%Ni powders. Journal of Alloys and Compouds, 472(1-2), 416-420. #

6. Choo K.S., Gheisari Kh.*, Oh J.T., and Javadpour S. (2009). Structure and magnetic properties of nanostructured $Ni_{0.77}Fe_{0.16}Cu_{0.05}Cr_{0.02}$ (Mumetal) powders prepared by mechanical alloying. Materials Science and Engineering B-Advanced Functional Solid-State Materials, 157(1-3), 53-57. #

7. Fang X. and Oh J.T. (2007). Microstructure and electrical properties of Nb_2O_5 doped titanium dioxide. Materials Science and Engineering B-Advanced Functional Solid-State Materials, 136(1), 15-19. #

8. Zhou W., Oh J.T., and Hng H.H. (2005). Processing-Structure Correlations of Ni-Fe-Cu-Cr Soft Magnetic Alloy. Journal of Metastable and Nanocrystalline Materials, 23, 223-226.

9. Shen Y., Hng H.H., and Oh J.T. (2004). Synthesis and characterization of high-energy ball milled Ni–15%Fe–5%Mo. Journal of Alloys and Compounds, 379(1-2), 266-271. #

10. Shen Y., Hng H.H., and Oh J.T. (2004). Formation kinetics of Ni–15% Fe–5% Mo during ball milling. Materials Letters, 58(22-23). #

11. Huang H., Zhou L.M., Guo J., Hng H.H., Oh J.T., and Hing P. (2003). *F* spots and domain patterns in rhombohedral $PbZr_{0.90}Ti_{0.10}O_3$. Applied Physics Letters, 83, 3692. ##

12. Huang H., Guo J., Kong L.B., Hng H.H., Oh J.T., Hing P., and Tan O.K. (2003). The ferroelectric–antiferroelectric transition in $Pb[Zr_{0.9}(Ce_xTi_{1-x})_{0.1}]O_3$ due to Ce^{4+} doping. Solid State Communications, 125(6), 297-300. #

13. Huang H., Sun C.Q., Zhang T., Hong Z., Oh J.T., and Hing P. (2003). Stress Effect on the Pyroelectric Properties of Lead Titanate Thin Films. Integrated Ferroelectrics, 51(1), 81-90.

14. Huang H., Zhang T., Oh J.T., and Hing P. (2002). Stress- and strain-relaxation in lead zirconate titanate based ceramics. Materials Chemistry and Physics, 75(1-3), 186-189. #

15. Hing P., Ray (Mal) J., Chin F.S.*, Oh J.T., and Wang J. (2002). Sputtering effects on magnetic properties of BaM thin film. Journal of Materials Science Letters, 21, 823-826.

16. Huang H., Zhang T., Oh J.T., and Hing P. (2002). Effect of A-Site Substitution of Calcium on Zr-Rich Lead Zirconate Titanate. Ferroelectrics, 274(1), 55-65.

17. Fang X., Hing P., Oh J.T., Fong H.S., Chen X., and Wu M. Thermal diffusivity of pure and impurity-doped titanium dioxides ceramics. Journal of Materials Processing Technology, 113(1-3), 474-476. #

18. Tan T.T., Li S., Oh J.T., Gao W., Liu H.K., and Dou S.X. (2001). Crystallographic orientation mapping with an electron backscattered diffraction technique in (Bi, Pb)$_2$Sr$_2$Ca$_2$Cu$_3$O$_{10}$ superconductor tapes. Superconductor Science and Technology, 14 (2001), 78-84. #

19. Cheng S.D., Han X.Q., Kam C.H., Zhou Y., Lam Y.L., Oh J.T., Xu X.W., and Chong T.C. (2001). *c*-axis-textured $LiNbO_3$ thin films on Si (111) substrates. Applied Physics A, 73 (2001), 511-514.

20. Cheng S.D., Zhou Y., Kam C.H., Han X.Q., Que W.X., Lam Y.L., Chan Y.C., Oh J.T., and Gan W.S. (2000). $LiTaO_3$ films with *c*-axis preferred orientation prepared on Si(111) substrate by sol–gel method. Materials Letters, 44(3-4), 125-129. #

21. Zhu W., Tan O.K., Yan Q., and Oh J.T. (2000). Microstructure and hydrogen gas sensitivity of amorphous (Ba,Sr)TiO_3 thin film sensors. Sensors and Actuators B-Chemical, 65(1-3), 366-370. ##

22. Cheng S.D., Kam C.H., Zhou Y., Han X.Q., Que W.X., Lam Y.L., Chan Y.C., Oh J.T., and Gan W.S. (2000). Thin Solid Films, 365(1), 77-81. #

23. Zhu W., Tan O.K., Deng J., and Oh J.T. (2000). Preparation, Property, and Mechanism Studies of Amorphous Ferroelectric (Ba, Sr)TiO_3 Thin Films for Novel Metal–ferroelectric–metal Type Hydrogen Gas Sensors. Journal of Materials Research, 15(6), 1291-1302.

24. **Oh J.T.**, Hing P., and Fong H.S. (1999). Effect of sintering temperature mismatch on the thermal diffusivity of cordierite–AlN composite. Journal of Materials Processing Technology, 89-90, 497-500. #

25. Li J., Tan S.N., and Oh J.T. (1998). Silica sol-gel immobilized amperometric enzyme electrode for peroxide determination in the organic phase. Journal of Electroanalytical Chemistry, 448(1), 69-77. #

26. **Oh J.T.**, Fong H.S., Chin F.S.*, and Zeng C.L. (1997). The processing of cordierite glasses containing AlN. Journal of Materials Processing Technology, 63(1-3), 851-854. #

27. Lai M.O., Oh J.T., and Nee A.Y.C. (1993). Fatigue properties of holes with residual stresses. Engineering Fracture Mechanics, 45(5), 551-557. #

28. **Oh J.T.**, Lai M.O., and Nee A.Y.C. (1993). Stress analysis of a ballised hole. Journal of Materials Processing Technology, 37 (1-4), 137-147. #

29. Lai M.O., Nee A.Y.C., and **Oh J.T.^** (1992). Effect of residual stress on the fatigue performance of the surface of a ballised hole. Journal of Materials Processing Technology, 29(1-3), 301-309. #

30. Lai M.O., Nee A.Y.C., and **Oh J.T.^** (1990). A review of ballising: Cold working and its effect on fatigue life. Journal of Materials Processing Technology, 23(2), 163-176. #

Conference Papers

1. Gheisari Kh.*, Javadpour S., and Oh J.T. (2009). The effect of milling speed on the magnetic properties of mechanically alloyed Fe-45%Ni powders. Journal of Physics: Conference Series, 153(2009), 012051. International Conference on Superconductivity and Magnetism (ICSM 2008), Side-Antalya, Turkey, 25-29 August 2008.

2. Guo J., Huang H., Hng H.H., Oh J.T., and Hing P. (2002). B-site Ce-doping induced microstructural ordering and ferroelectric-antiferroelectric transition in $Pb(Ce_xZr_{0.9}Ti_{0.1-x})O_3$ ceramics. J.E.M.S.T. 16, 115(2002).

3. Zhou W., Oh J.T., and Hng H.H. (2002). Magnetic Properties of Nanostructured Fe-Ni-Cu-Cr soft Magnetic Alloy. 1st International Conference on Materials Processing for Properties and Performance (MP3) & 10th Annual Conference of Institute of Materials (East Asia) – Materials in Nanotechnology, Singapore, 1-3 August 2002.

4. Shen Y.P., Hng H.H., and Oh J.T. (2002). High-energy ball milled $Ni_{80}Fe_{15}MO_5$ powders. 1st International Conference on Materials Processing for Properties and Performance (MP3) & 10th Annual Conference of Institute of Materials (East Asia) – Materials in Nanotechnology, Singapore, 1-3 August 2002.

5. Guo J., Huang H., Hng H.H., Oh J.T., and Hing P. (2002). B-Site Ce-Doping Induced Microstructural Ordering and Ferroelectric-Antiferroelectric Transition in $Pb(Ce_xZr_{0.9}Ti_{0.1-x})O_3$ Ceramics. Proceedings of 3rd ASEAN Microscopy Conference and 19th EMST Annual Conference. 3rd ASEAN Microscopy Conference and 19th EMST Annual Conference, Chiangmai, Thailand, 30 January – 1 February 2002.

6. Wan L.K., Yong C., Raisah I.J., and **Oh J.T**. (2000). An Evaluation of the Thermal Diffusivities of Electronic Packages and Materials. Proceedings of ICMAT 2000, 286. International Conference on Materials for Advanced Technologies (ICMAT) 2000, Singapore.

7. Chin S.F.*, Oh J.T., Hng H.H., and Hing P. (2000). Transmission Electron Microscopy study on Barium Hexaferrite. Proceedings Physical Science 7th Asia-Pacific Microscopy Conference “Perspective Imaging”, 157-158. 7th Asia-Pacific Microscopy Conference 2000, Singapore.

8. Meng Y., Li S., Tan T.T., and Oh J.T. (1999). Lattice Structure of $Bi_2Sr_2Ca_2Cu_3O_{10}$ Superconductor by Electron Back Scattered Diffraction Technique. Proceedings of Int. Conf. on Thermophysical Properties of Materials, 464-466. International Conference on Thermophysical Properties of Materials, Singapore, 17-19 November 1999.

9. Tan T.T., Meng Y., Oh J.T., and Li S. (1999). Microstructure Measurement in $(Bi,Pb)_2Sr_2Ca_2Cu_3O_{10}$ Superconductor by Electron Back Scattered Diffraction Technique. Proceedings of Int. Conf. on Thermophysical Properties of Materials, 461-463. International Conference on Thermophysical Properties of Materials, Singapore, 17-19 November 1999.

10. Chin S.F.*, Hing P., Oh J.T., and Heng K.W. (1999). The Effect of Heat Treatment on the Properties of Barium Hexaferrite Thin Films. Proceedings of Int. Conf. on Thermophysical Properties of Materials, 445-450. International Conference on Thermophysical Properties of Materials, Singapore, 17-19 November 1999.

11. **Oh J.T**., Hing P., and Fong H.S. (1999). Phase Development in the Thermal Processing of Cordierite-A1N Composite. Proceedings of Int. Conf. on Thermophysical Properties of Materials, 283-284. International Conference on Thermophysical Properties of Materials, Singapore, 17-19 November 1999.

12. Cheng S.D., Kam C.H., Zhou Y., Oh J.T., Sun X.W., Han X.Q., Zhang H.X., and Lam Y.L. (1999). Preparation and Characterization of Highly *c*-Axis Oriental/Epitaxial $LiNbO_3$ Thin Films on $LiTaO_3$ and *c*-Plane Sapphire Through the Sol-Gel Route. Proceedings of ACCGE-11. 11th American Conference on Crystal Growth and Epitaxy, Tucson, Arizona, USA, 1-6 August 1999.

13. **Oh J.T.**, Hing P., and Fong H.S. (1999). The Effect of Chemical Reactions in Cordierite-Alumnium Nitride Composites on its Thermal Conductivity. Proceedings of ICCE/6, 318. 6th Annual International Conference on Composites Engineering, Orlando, Florida, USA, 27 June - 3 July 1999.

14. Hing P., **Oh J.T**., and Fong H.S. (1998). Thermal Diffusivity of A1N/Cordierite Composites. Proceedings of ATPC 1998. 5th Asian Thermophysical Properties Conference, Seoul, South Korea, 30 August – 2 September 1998.

15. Xu S., Li H.S., Lee S., Li Y., Oh J.T., and Ahn J. (1997). Structural and Composition Studies of Crystalline Carbon Nitride Material. Progress in Materials R&D, IMRE/NUS, Singapore, 1997.

16. Xu S., Li H.S., Li Y., Luo W.-Y., Oh J.T., Ahn J., and Huan C.H. (1997). Investigation of Structure and Composition of Crystalline Carbon Nitride b-C_3N_4. Proceedings of 6th Int. Conf. on Processing and Fabrication of Advanced Materials, 853-861. 6th International Conference on Processing and Fabrication of Advanced Materials, Singapore, 1997.

17. **Oh J.T.**, Chin S.F.*, Hing P., and Fong H.S. (1997). A Study on the Effect of A1 on the Structure of A1Nico Alloys Using Quantitative Electron Microscopy. Proceedings of the First ASEAN Microscopy Conference, 181-183. 1st ASEAN Microscopy Conference, Electron Microscopy Society of Malaysia and Singapore, November 1997.

18. **Oh J.T.**, Fong H.S., and Hing, P. (1997). Electron Microscopy at the Advanced Materials Characterisation Laboratory. Proceedings of the First ASEAN Microscopy Conference, 187-189. 1st ASEAN Microscopy Conference, Electron Microscopy Society of Malaysia and Singapore, November 1997.

19. Xu S., Li H., Lee S., Li Y., Oh J.T., and Ahn J. (1997). Observation of Crystalline Carbon Nitride beta-C_3N_4 Synthesized by Reactive Radio Frequency Magnetron Sputtering. ISPC-13 Symposium Proceedings, 70(6). 13th Symposium on Plasma Chemistry, Beijing, China, 8-12 August 1997.

20. **Oh J.T.**, Weida Z., Hing P., and Fong H.S. (1997). Thermal Conductivity of Cordierite-Aluminium Nitride Composite. Advanced Materials Development and Performance, Edited by Ferguson, W.G. and Gao, W. (1997), Auckland, 197-202.

21. **Oh J.T.**, Hing P., and Fong H.S. (1997). Evaluation of Thin Film by Chemical Vapor Deposition Using X-Ray Diffraction. SPIE Proceedings, 2921, 448-453. International Conference on Experimental Mechanics: Advanced and Applications, Singapore, 1996.

22. **Oh J.T.**, Hing P., and Fong H.S. (1996). Thin Film Analysis Using X-Ray Diffraction. Proceedings of 1996 Institute of Materials (IOM), East Asia Conference, Singapore, March 1996.

23. **Oh J.T.**, Sritharan T., Seow H.P., and Manley D. (1995). An Investigation of the Chemical Composition of the Structure of A1nico Alloys Using Quantitative Electron Microscopy. Proceedings of Int. Conf. Mech of Solids & Materials Eng., 106-111. International Conference on Mechanics of Solids and Materials Engineering, Singapore, 1995.

24. Sritharan T. and Oh J.T. (1994). A Review of Developments in Casting Technologies. NUS 3rd Symposium on Materials Science and Engineering, Singapore, 1994.

25. Lai M.O., **Oh J.T.**, and Nee A.Y.C. (1991). Application of Fracture Mechanics in Residual Stress Measurement of Cold Worked Hole. Proceedings of the Joint FEFG/ICT Int. Conf. on Fracture of Engineering Materials and Structures, 859-865. Joint FEFG/ICF International Conference on Fracture of Engineering Materials and Structures, Singapore, 6-8 August 1991.

Others (Local Papers)

1. Fang X., Wu M, Hing P., Oh J.T., and Yung K.C. (2001). Structure and Micro-structure of HIP deduced TiO_2 Ceramics. Journal of Xian Jiaotong University, 35(10), 1085-1088.

2. Seet H.L., Wang T., Bindumadhavan P.N., Heng K.W., Prabhakar O., and Oh J.T. (2000). Non-Destructive Magnetic Evaluation of Carburised Case Depth in Steels. International Workshop on Advanced in Materials Science and Technology, Singapore, 2000.

3. Shafiul Azam A.B.M., Xu S., Lee S., Ahn J., Oh J.T., Chen X.F., and Lim L.C. (1998). Investigation of Optical Emission in A Low Frequency, Inductively Coupled Plasma Reactor. Singapore Journal of Physics (SJP), 14(1), December 1998.

4. **Oh J.T.**, Davies H.A., and Liang M.H. (1995). Recent Advanced in Powder Metallurgy. Journal of the Institute of Materials, East Asia, 3(1), 28-34.

5. Lai M.O., Nee A.Y.C., and **Oh J.T.** (1991). Ballising – Precision Manufacturing of High Strength Bores. Journal of the Institute of Engineers, Singapore, 31(3), 17-22.

6. **Oh J.T.**, Lai M.O., Nee A.Y.C. and Lee S.L. (1992). Weight Function for Stress Intensity Measurement. Journal of the Institute of Materials, East Asia, 1(1), 75-78.

Working Papers / Pipeline

1. Effect of manufacturing process of Fe-Co laminate on the magnetic properties – in preparation.

2. A second nearest-neighbour embedded method interatomic potential for Fe-Co alloy – in preparation.

TEACHING SUMMARY

Courses Taught (since joining NTU)

Course Code	*Course Title*	*Academic Year*	*Course Level*
MS1016	Thermodynamics of Materials	AY20 – Present	UG
MS732M	Physical Characterisation of Materials	AY18 – AY 20	PG
MS4670	Commodities' Geology and Metallurgy	AY17 – AY18	UG – 2nd Major in Business Students
MS1015	Materials Science	AY12 – AY19	UG
MS3015	Materials Aspects in Design	AY06 – AY20	UG
MS2006	Thermodynamics & Kinetics	AY06 – AY11	UG
MS2007	Characterisation of Materials	AY00 – AY04	UG
MS110	Electronic & Magnetic Properties of Materials	AY94 – AY00	UG

Teaching Awards / Recognition

Year	Teaching Award / Recognition
2012/2013	Teaching of the year Award for Year 1
2009 – 2012	Best Mentor award for mentoring exchange students under Temasek-NTU LEARN Exchange programme

SERVICE SUMMARY

School

Period of appointment	Role
2014 – 2017	Member, MSE Innovation and Technology Committee
2013 – 2019	Member, MSE Curriculum Committee
2011 – 2013	Chairman, MSE Staff & Welfare Committee
2004 – 2006	School Facilitator, Global Immersion Programmes
2004 – 2006	School Coordinator, International Student Exchange (INSTEP)
2000 – 2003	Head of Division of Materials Science,
1995 – 2000	Lab Manager, Electron Microscopy and X-Ray Diffraction Laboratory

University

Period of appointment	Role
2004 – Present	MSE Representative of the Industrial Attachment Steering Committee

2000 - 2003	Member, Advisory Committee to Centre for Continuing Education
2000 - 2003	Member, Working Committee on Common Engineering

Academic Community

Period of appointment	Role
2007 - Present	Member, SCMST under the ASEAN COST representing Singapore
2008 - 2011	Chairman, Sub-Committee on Materials Science & Technology (SCMST) under the ASEAN Committee on Science & Technology (COST)
2005, 2006 and 2008	Reviewer for National Science & Technology Awards, A*STAR

Other Service

Period of appointment	Role
2010	Organising Committee, ASEAN-SCMST Metallurgical Workshop
2011	Chairman and Member of International Organising Committee, ASEAN-Pakistan Conference 2011
2010	Judge, Singapore Science and Engineering Fair
2009	Invited Speaker, International Conference on Renewal and Clean Energy, Jakarta
2008 and 2010	International Organising Committee Member, APCTP-ASEAN Workshop on Advanced Materials Science and Nanotechnology (AMSN)
2007	Local Organising Committee Member, International Conference Continuing Education 2007, organised by World Association on Cooperative Education, Singapore
2005 – 2006 and 2008	Reviewer for National Science & Technology Awards, A*STAR
2004 and 2007 - 2010	Expert Mentor for Gifted Programme – Singapore Secondary Schools