

**Professor Michael Tobar**  
**The University of Western Australia**

**MAJOR AWARDS AND DISTINCTIONS**

1. Awarded the 2016 UWA Vice Chancellor's Senior Research Award.
2. Awarded the 2014 **Clunies-Ross Award** by the Australian Academy of Technological Sciences and Engineering.
3. Awarded the 2014 **W.G. Cady Award** by the IEEE Society of Frequency Control.
4. Awarded the **Alan Walsh Medal** by the Australian Institute of Physics for significant contributions to industrial science, 2012.
5. Elected to the **Fellowship of the Australian Academy of Science**, March 2012.
6. 2010 **WA Scientist of the year**, presented by the WA Department of Commerce
7. 2010 **Australian Teaching and Learning Citation Award**, "For inspiring Physics students to reach their full potential and transform to successful research scientists through participation in ground breaking research". Presented by the Australian Learning and Teaching Council. <http://www.olt.gov.au/award-outstanding-contributions-recipient-2010-12>
8. Awarded **ARC Australian Laureate Fellowship** (most prestigious research Fellowship in Australia) 2009
9. Winner of the **2009 Barry Inglis Medal** for Excellence in Measurement Science by an Individual in Australia. Presented by the National Measurement Institute.
10. Gravity Research Foundation Essay Awards 2009, honourable mention, Broadband Resonant Mass Gravitational Wave Detection.
11. Selected by UWA for nomination for a 2009 Australian Teaching and Learning Citation for excellence in research Supervision.
12. Elected to the **Fellowship of the Australian Academy of Technological Sciences** and Engineering Nov. 2008.
13. Best paper award at the ARMMS RF and Microwave Society conference, April 2008 paper entitled: "Solution looking for a problem: The Fe<sup>3+</sup>: sapphire whispering-gallery-mode 12.04 GHz maser oscillator, an X-band microwave source of extremely low phase noise".
14. Faculty Life and Physical Sciences, UWA, Ph.D. Research Supervision Award, 2008.
15. Elevated to **Fellow of the Institutes of Electronics and Electrical Engineers** 2007 for contributions to high-Q dielectric resonator technology, precision microwave oscillators and low noise phase and amplitude measurement systems.
16. Winner of the **2006 Walter Boas Medal**, presented by the Australian Institute of Physics for research conducted over the previous 4 years.
17. University prize, presented in 2006 for **best publication** (2005) in the Mathematics, Physical Sciences and Engineering category, for the paper "Test of Lorentz Invariance in Electrodynamics Using Rotating Cryogenic Sapphire Microwave Oscillators", published in Phys Rev Letters.
18. **Best paper award** by the Societe Francaise de Chronometrie 2006 presented (for paper presented at the 2005 EFTF, Besancon)
19. Invited Book Chapter "Rotating Resonator-Oscillator Experiments to Test Lorentz Invariance in Electrodynamics," Editors: Jurgen Ehlers and Claus Lammerzahl, Springer Verlag, Lecture notes in Physics Special Issue on Special Relativity, 2005.
20. Featured papers list, Institute of Physics Measurement Science & Technology (due to excellent referee reports), 2004.
21. Two Australian Research Council, **Australian Professorial Fellowship**, Univ. of Western Australia 2003-7 and 2008-9.
22. Promoted from Lecturer to Associate Professor, February 2002.
23. Awarded Tenure with exceptional circumstance (3 year probation reduced to 1 year), July 2001, Univ. of West. Aust.
24. Awarded Senior Membership of the IEEE, 2001.

25. Invited Book Chapter "Low noise microwave resonator-oscillators: current status and future developments," in Frequency Measurement and Control: Advanced Techniques and Future Trends, 2001.
26. Invited Book Chapter "Frequency-temperature compensation techniques for high-Q microwave resonators," in Frequency Measurement and Control: Advanced Techniques and Future Trends, 2001.
27. Centre National de la Recherche Scientific, Charge de Recherche (Professorial Research Fellowship), 1999-2000.
28. **1999 Best paper award**, Institute of Physics Publishing, Measurement Science and Technology.
29. **1999 European Young Scientist Award**, for personal contribution showing a high degree of initiative and creativity, leading to already established or easily foreseeable outstanding advances in terms of time and frequency metrological performance.
30. Invited Book Chapter "Electric Noise Measurements," in the *Encyclopedia of Electrical and Electronic Engineering*, John Wiley & Sons, Inc. 1999.
31. Visiting Professorship (2 months) at the University of Limoges, IRCOM, 1998.
32. **Australian Telecommunications and Electronics Research Board, Awarded The 1997 ATERB medal** for outstanding research achievements in the field of Telecommunications and Electronics.
33. Japan Society for the Promotion of Science, Research Fellowship, Univ. of Tokyo, 1997-8.
34. University of Western Australia, **Gledden Award**, 1996.
35. **URSI (International Union of Radio Science) Young Scientist Award 1996.**
36. **The 1994 Japan Microwave Prize**, presented at the 1994 Asia Pacific Microwave Conference in recognition for the most outstanding contribution.
37. Australian Research Council, Australian Postdoctoral Fellowship, University of Western Australia 1994-6.
38. The 13th International Conference on General Relativity and Gravitation; Conf. Fellowship June 28th, 1992.
39. IEEE Microwave Theory and Tech. Soc., student paper competition; honourable mention, June 12th, 1991.
40. Monash University Faculty of Engineering; **Sir Alexander Memorial Award**, 1990 - 91.
41. University of Western Australia; postgraduate scholarship, 1989.
42. C.S.I.R.O. Div. of Materials Science and Technology; vacation research scholarship, 1987.
43. Honours research thesis, Monash University, Dept. Elec. Eng.; High Distinction, 1987.

#### **SOCIETIES and ACADEMIES**

1. Fellow, Australian Academy of Science (AAS).  
Selection committee for new Fellows Physics and Astronomy, 2013, chair 2014-2016.  
Pawsey medal selection committee, 2016, Chair 2017-18.
2. Fellow, Australian Academy of Technological Science and Engineering (ATSE).
3. Delegate (voting member), National Committee of Radio Science, Australian Academy of Science.
4. Member, Australian Institute of Physics. (AIP) (WA Branch Committee Member, 1996)
5. Fellow, Institute of Electrical and Electronic Engineers, Member of Society for Ultrasonics Ferroelectrics and Frequency Control. (IEEE)
6. IEEE UFFC Administrative Committee Member 2016-2018.
7. IEEE Fellow Selection Committee, 2018-Present.
8. Correspondent, International Union of Radio Science. National delegate for commission A (URSI)
9. Life Member, Australian Society for General Relativity and Gravitation (ASGRG)