



- 1. Name:** Masahiro YOSHIMURA
- 2. Birth:** 1942, at Tokyo
- 3. Profession:**
- 1) Distinguished Chair Professor, Director,  
Promotion Center for Global Materials Research, (<http://pcgmr.mse.ncku.edu.tw>)  
Department of Materials Science and Engineering, National Cheng Kung University,  
No.1, University Road, Tainan City, 70101, Taiwan  
Tel: 886-6-2757575 ext 62013, Fax : 886-6-2346290, 886-6-276-0112  
E-mail: yoshimur@mail.ncku.edu.tw
  - 2) Professor Emeritus  
Materials and Structures Laboratory, Tokyo Institute of Technology  
E-mail: yoshimura@msl.titech.ac.jp
- 4. Education:**
- 1961.4 - 1965.3: Tokyo Institute of Technology, Applied Chemistry Division  
1965.4 - 1967.3: Tokyo Institute of Technology (Master course) M.Sc. in Eng  
1967.4. - 1970.3: Tokyo Institute of Technology (Doctor course), D. Sc. in Eng.
- 5. Academic carriers:**
- April 1970 - June 1978      Research Laboratory of Engineering Materials Tokyo Institute of Technology
- Nov. 1973 – May 1975      CNRS Laboratories in France: Laboratoire des Ultra-Réfractaires, Odeillo, Centre de Recherches sur la Physique des Hautes Températures, Orleans, and Laboratoire de Chimie Appliquée de l'Etat Solide, C.E.C.M., Vitry-sur-Seine.
- Sept. 1975 - Aug. 1977      Materials Science and Engineering Laboratory, Massachusetts Institute of Technology, Cambridge, Mass., U.S.A.
- July 1978 – June 1985      Associate Professor.
- July 1985 – May 1996      Professor, Research Laboratory of Engineering Materials, Tokyo Institute of Technology.
- May 1996 – March 2008      Professor, Materials and Structures Laboratory (name changed).
- July 1996 – March 2003      Director, Center for Materials Design, all in Tokyo Institute of Technology, Yokohama, Japan.
- April 2008 –                  Professor Emeritus, Tokyo Institute of Technology.
- April 2008 – March 2009      Visiting Professor, Institute of Materials Research, Tohoku University, Sendai, Japan  
Visiting Professors in Dept. of Materials Sci., University of Limerick, Limerick, Ireland  
Non-metallic Materials, ETH, Zurich, Switzerland  
Institute of Metal Research, CAS, Shenyang, China  
Univ. of Washington, Seattle, USA.
- Feb. 2010 – June 2011      Visiting Chair Professor, National Cheng Kung University, Tainan, Taiwan
- July 2011 -                  Distinguished Chair Professor, National Cheng Kung University, Tainan, Taiwan
- 6. Awards:**
- 1986      International Institute for Science of Sintering, IISS, Yugoslavia, Fellow.
- 1987      Scientific Award, The Powder and Powder Metallurgy Society of Japan.
- 1987      10th Richard M. Fulrath Award, The American Ceramic Society.
- 1990      Academician, The World Academy of Ceramics, Italy.
- 1991      Centennial Anniversary Academic Award, The Ceramic Society of Japan.

- 1993/4 Academic Award, The Ceramic Society of Japan.
- 1994/5 Research Award, The Powder and Powder Metallurgy Society of Japan.
- 1996 The American Ceramic Society, Fellow.
- 2001 The International ECers Award, 7<sup>th</sup> European Ceramic Society.
- 2002 IUMRS Somiya Award for International Collaborative Work, IUMRS.  
The G. C. Kuczynski Prize (Group member), IISS, Yugoslavia.
- 2003 Honorary Member, Materials Research Society of India.
- 2004 Thomson, ISI Highly Cited Researchers (in Materials Science).
- 2006 Tokyo Metropolitan Academic Award, Tokyo, Japan.
- 2007 Research Award, Ministry of Education, Culture & Science, Japan.
- 2008 Lee Hsun Award, Institute of Metal Research, CAS, Shenyang, China.
- 2011 Okazaki Memorial Award, Fulrath-Okazaki Foundation, Japan.
- 2012 Honorable Permanent Resident Visa,(ROC)Taiwan.
- 2013 Life Achievement Award, 3<sup>rd</sup> ISHA Conf., Univ. of Texas,Austin, USA.

**7. Publications:** >700 papers in peer-reviewed Journals, 84 review papers, 3 books and 44 book chapters, and other 80 papers. 30 patents.

Full lists of Publications available in Highly Cited Researchers 2001: <http://isihighlycited.com>

> 14,000 International Citations for 514 cited papers, h-index = 59, ISI Web of Science.

**8. International Meetings:** 16 Organizing Chairs, 57 Advisory/Organizing Committees, 20 Plenary Lectures & >170 Keynote & Invited Talks.

**9. Editors:** Solid State Science,1988-,Nano Letters(Am.Chem.Soc.), 2002-2005, J. Nanomaterials, 2004-,etc.  
Guest Eds: MRS Bull,Oct.1994 &Sept.2000, Euro. J.Solid State and Inorg. Chem. 1995, Solid State Ionics,152/154,2002, J.Mater.Sci.2006&2007,etc.

**10. International Activity:** Founding President(2006-2008), International Solvothermal and Hydrothermal Association(ISHA), President of the Advisory Board(2010-2014),The World Academy of Ceramics (WAC). Chairman of the Nomination Committee,2002,2004 & 2006.

Officer, International Union of Materials Research Societies(IUMRS): Senate Member(Advisory Members), Audit Elect 2007-2008, Former President of MRS-Japan).

Fellow : The American Ceramic Society,1995/1996

Honorary Member: MRS-India

Member of the International Institute of Science of Sintering, Serbia.

etc.

Cooperated with 24 visiting Professors(12 from abroad), 31 Postdoctoral Researchers, (19 from abroad), 12 visiting Researchers from abroad in Tokyo Institute of Technology.

Now 3-4 Pos-Doc staff & many Cooperative members in National Cheng Kung University, Taiwan and/or Abroad

**11. Teaching Activities:** Supervised 56 Ph.D( 16 foreigners) Students and candidates,>70 Master Students, 30 Research Students, in Tokyo Institute of Technology.

Now Co-supervising and advising a number of Graduate Students, in NCKU

**12. Main Research Subjects:** Main Research Subjects: Underlined terms are Proposed & Defined by Yoshimura M.

- 1) Soft Processing (or Soft Solution Processing) for Ceramic Materials: Nano -Particles, Whiskers, Films, Patterns and Bulks.
- 2) Polymer Complex Methods for Multiple Component Oxides with Precise Composition
- 3) Hydrothermal/Solvothermal Processing for Inorganic Materials.
- 4) Hydrothermal Carbons.
- 5) Growing Integration Layer[GIL] Methods for Coating/Joining/Bonding of Ceramics on Metallic Materials.
- 6) Phase Stability and Meta-Stability of Zirconia and Related Compounds.
- 7) Synthesis and Phase/Valence Stability of Perovskite Phases.
- 8) Nano-Composites Ceramics via Melt/ Annealing of Eutectic Melts
- 9) Bio-Inspired Processing for Inorganic Materials for Sustainable Societies
- 10) Bio-Materials, Bio-Nanomaterials :Fabrication and Evaluation, HAp Whisker
- 11) Nano-Carbons,Graphenes by Soft Processing(Electrochemistry & Submerged Liquid Plasma)