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Motto In Life:

Work hard, play well, and enjoy life to the fullest

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EDUCATION:

1986: Ph.D. (science), University of Rochester, Rochester, New York, USA.
 1997: MBA (strategy, business laws), University of Phoenix; University of California, USA.
 1982: M.A. (science), University of Rochester, Rochester, New York, USA.
 1981: B.Sc. (Hons.), A.R.C.S., Imperial College of Science, Technology & Medicine, The Royal College of Science, University of London, U.K.

PROFESSIONAL EXPERIENCE:

2015- : Pro member, United Nations Educational, Scientific, and Cultural Organization (UNESCO), *Conseil International de la Danse* (CID, cid-17961).
 2010- : Board member, AHSA, Fremont, California, USA.
 2009-2010: Board member, Cosmos Health Center, Mountain View, California, USA.
 2008-2010: CEO, MIRAH I Biotech, Inc., San Jose, California, USA.
 2004- : Advisor, Macnalink Resources Sdn Bhd, (304399-W), Kuala Lumpur, Malaysia.
 2002-2006 Adjunct Professor, Molecular & Cell Biology; and Mathematical Sciences, University of Texas at Dallas.
 2002-2007: Advisory Council of the Office of the Vice President for Research & Graduate Education, The University of Texas at Dallas, Texas, USA.
 2002-2004: Secretary-General, Ivy 25 – a committee of experts to integrate science and literature, and to promote science in Asia, Silicon Valley, California, USA.
 2002-2006: Co-Founding Director, NanoBiotech Sdn. Bhd. (425296-M), Kuala Lumpur, Malaysia.
 2000- : Chairman of Board, GeneGo, Inc., St. Joseph, Michigan 49085, USA.
 - Secured \$1.64 million in 2003; supported by SBIR, U.S. National Institutes of Health.
 - Acquired by Thomson-Reuters.
 2000-2004: Chairman, AbMetrix, Inc., Union City, California, USA; now NovoDix, Hayward, California, USA.
 2000- : Visiting Professor,:
 Institute of Genetics, Beijing, China;
 Sun Yat-sen University, Guangzhou, China;
 Peking University, Beijing, China.
 1998-2004: Scientific Advisory Board Member, LifeSensor, Inc., Malvern, Pennsylvania, USA.
 1997-2004: Chairperson & CEO, D'Trends, Inc., Santa Clara, California 95051, USA.
 - Founder.
 - Secured private funding.
 1996-1997: Vice President, Science & Technology, Pangea Systems Inc., Oakland, California 94612, USA.
 - Secured venture funding (>US\$10 Million).
 - Filed for IPO in September 2000. Company (renamed DoubleTwist) raised ~\$50 million but withdrew from IPO in March 2001 after the downturn of economy.
 1995-1996: Director of Bioinformatics, Hyseq Inc., Sunnyvale, California 94086, USA.
 - Merged with Variagenics, Inc (January 2003) and Nuvelo, Inc. (Ticker: NUVO).
 - Went public (Ticker: HYSQ) in August 1996.
 - Secured venture funding (US\$12.5 Million).
 - Secured federal funding (US\$2.0 Million)
 1993- : Bioinformatics Expert, United Nations Food and Agricultural Organization (FAO).
 - Helped set up biotech parks and bioinformatics centers worldwide, especially along Pacific Rim nations.
 - Project UNDP ROK095.
 1987-1995: Faculty (tenured state-line), Program Director, Computational Genetics & Biophysics, Supercomputer Computations Research Institute, Florida State University, Tallahassee, Florida 32306-4052, USA.
 -Funding (>\$250,000 per annum from federal; >\$100,000 per annum from the state of Florida).
 1986-1987: Faculty, Laboratory for Laser Energetics, Rochester, New York 14627, USA.
 1985-1986: Medical Fellow, Strong Memorial Hospital, New York, USA.
 1981-1986: Research & Teaching Fellow, University of Rochester, New York, USA.
 1979-1980: Research Fellow, Blackett & Rutherford Laboratory, London SW7 2AZ, England.
 - Assembled scintillators for the UA1 experiment in CERN. Nobel Prize (1984) awarded to UA1 Experiment (Carlo Rubbia and Simon van der Meer).

ACHIEVEMENTS:

- Initiated Computational Genetics & Biophysics at Supercomputer Computations Research Institute, Florida, 1991.
- Initiated a conference series "Bioinformatics & Genome Research", the very first international bioinformatics conference (still ongoing), 1990.
- Coined the word "bioinformatics" and initiated the currently very lucrative field of bioinformatics, 1987. This effort earns him the title of "The Father of Bioinformatics."
- Author/editor of seventeen titles in English; one in Chinese (translated). Kingstone Best-selling Author.

UNITED NATIONS (UN) AFFILIATIONS:

- Pro Member, United Nations Educational, Scientific, and Cultural Organization (UNESCO), (CID 17961).
- Bioinformatics Expert, United Nations, Food and Agricultural Organization (FAO), (UNDP ROK095).

HONORS AND AWARDS: (1990 - present)

- Men of Achievement, International Biographical Centre, Cambridge, England, 1995.
- Who Is Who In the South and Southeast, 1993; Who Is Who In America, 1994; Who Is Who In the World, 1994; Who Is Who In Healthcare and Medicine, 1995; Who Is Who In the West, 1996; National Who Is Who In Executives and Professionals, 1999.
- Elected Member of the New York Academy of Sciences, Elected 1990- .

SUPERCOMPTER AFFILIATIONS:

- Program Director, Supercomputer Computations Research Institute (SCRI), Florida State University, Tallahassee, Florida, USA, 1989-1996.
- Use of John von Neumann Center (JVNC) supercomputers, cellular automata projects, Princeton University, 1986-1988.

NOTABLE PANELIST:

- Panelist, BioMASS, American Association for the Advancement of Science (AAAS), Stanford University, May 3, 1996.
- Panelist, *The Economics of Drug Discovery*, University of Santiniketan, West Bengal, India, Jan 13, 1998.
- Panelist, *Beyond Bioinformatics: Moving Information to Knowledge*, Bio'98 Intl. Biotechnology Meeting & Exhibition, New York, June 14-18, 1998.

REVIEW PANELIST AND PUBLIC SERVICES: (1990 - present)

- Scientific Reviewer:
 1. National Science Foundation, USA: *computer information science engineering*;
 2. National Cancer Institute, USA: *anti-AIDS, anti-cancer databases; breast cancer, colon cancer registries; innovative technologies for molecular analysis of cancer*.
 3. National Institutes of Health, USA: *biomedical instrumentation*.
- Member of International Expert Panel, BioValley Malaysia Initiative (2003-2004), appointed by the Ministry of Sc., Tech, and Environment (MOSTE).
- Consultant for McKinsey, Prudential, VAXA, Eli Lilly and Company, Monsanto and Company, Dupont CR&D, Robertson Stephens, governments and institutions in overseas countries.

MEMBERSHIPS, HONORS AND AWARDS: (1990 - present)

- Cited in "Malaysia-China Business Magazine", Vol. 19, March 2006, 3 articles, pages 22-27.
- Written in "The History of the State of Kedah", by Tan Hong Chew, 2005, pages 401-403, and a photo page, 553 pages.
- Advisory Council and Founding Advisor, Internet Biologists/Bioscience Resource on the Internet, (NetBio) (1997-present).
- TV Interviews, radio interviews on Genome Project & Diseases. Featured regularly in newspapers and circulars.
- Member, Global University in the USA, a Divisional Activity Global Systems Analysis and Simulation Association in the U.S.A., 1992-.
- Active Member of the International Human Genome Organisation (HUGO) (Nominated 1992 by C.R. Cantor and C. Fields).
- Life Member of the Society of Chinese Bioscientists in America (Nominated 1992 by Joseph Li).
- Member of the American Association for the Advancement of Science (AAAS).
- Member of the International Association for Mathematical and Computer Modeling, 1989- .

ORGANIZING COMMITTEE / CHAIR OF COMMITTEE: (1990 - present)

- Chairman of 10 conferences, Scientific Advisor of 3 conferences in a Conference Series:
Chairman of The 1st (1990, Florida State Conference Center, Tallahassee, Florida), 2nd (1992, TradeWinds Hotel, St. Petersburg Beach, Florida), 3rd (1994, Augustus Turnbull III Florida State Conference Center, Tallahassee, Florida), 4th (1995, Hotel Nikko, San Francisco, California), 5th (1996, Baltimore Inner Harbor Marriott, Baltimore, Maryland), 6th (1997, The Fairmont Hotel, San Francisco, California), 7th (1998, The Copley Plaza Hotel, Boston, Massachusetts), 8th (1999, Hotel Nikko, San Francisco, California), 9th (2000, The Fairmont Hotel, San Francisco, California), 10th (2001, The Fairmont Hotel, San Francisco, California), and Scientific Advisor of the 11th (2002, Hilton San Diego, San Diego, California), 12th (2003, San Diego Concourse and Civic Theatre, San Diego, California), and 13th (2004, The Fairmont Hotel, San Francisco, California) *International Conference on Bioinformatics & Genome Research*, USA.
- Organizing Committee Member of 3 conferences in a Conference Series:
Organizing Committee, *Current Trends in Drug Discovery Research*, CTDDR 2002, and CTDDR 2004, CTDDR 2007, Lucknow, India.
- International Advisory Committee Member of 5 congresses in a Congress Series:
International Advisory Committee of The 9th (1997, Brisbane, Australia), 10th (1999, Beijing, China), 11th (2001, Stockholm, Sweden), 12th (2003, Berlin, Germany), 13th (2005, Shanghai, China) *International Congress on Genes, Gene Families, and Isozymes*.
- International Program Committee, *The Second International Conference on Bioinformatics of Genome Regulation and Structure*, August 7-14, 2000, Novosibirsk, RUSSIA.
- Scientific Committee, *The 2nd Indo-US Workshop on Mathematical Chemistry: application in molecular design and hazard assessments of chemicals*, May 30- June 3, 2000, Duluth, MN, USA.
- Workshop co-Chair (with Ralf Hofestädt), Molecular Informatics, *The ACM International Conference on Supercomputing*, Vienna, AUSTRIA, 1997.
- Committee of "Informatik in den Biowissenschaften" of the German Society of Computer Science (GI), Leipzig, May 1995.
- Organizing Committee Member of four conferences in a Conference Series:
Organizing Committee of The 8th (1991, University of Maryland, College Park, Maryland), 9th (1993, University of California at Berkeley, California), 10th (1995, University of Missouri, St. Louis) and 11th (1997, Georgetown University Conference Center, Washington, DC) *Int'l Conference on Mathematical and Computer Modeling*, USA.
- Organizing Committee and Co-Chair of The 1st *International Conference on Mathematical & Computational Analysis of the Human Genome and Its Mutation Load*, Szeged, HUNGARY, 1992.
- Initiator of the conference series on *Bioinformatics & Genome Research*, 1990-.

PANEL DISCUSSIONS, LECTURES AND LECTURE SERIES: (1992 - present)

- 70th Anniversary of UNESCO and 21st General Assembly of CID, December 21, 2015, Palais de l'UNESCO, Paris, France.
- Invited Lecture, "Revival of the Fittest", IET Lecture, Feb 18, 2012, Institution of Engineering and Technology, Kuala Lumpur, Malaysia.
- Invited Lecture, "Creativity 2.0", PELTAC, Universiti Teknologi Malaysia, Feb 12-17, 2012, Skudai, Johor, Malaysia.
- Keynote Lecture at the 1st International Conference on Biotechnology and Environmental Safety, National Research Center, April 14-16, 2009, Cairo, Egypt.
- Keynote Lecture at the Bay Area Chamber of Commerce, "Nanotechnology: Development, business and prospects", September 6, 2005, Santa Clara Marriott Hotel, Santa Clara, California, USA.
- Keynote Lecture, Association of the Chinese Chamber of Commerce in Malaysia, "Nanotechnology: Business development and opportunities", August 4, 2005, Menara Promet, Kuala Lumpur, Malaysia.
- Plenary Lecture. "Informatics, Bioinformatics, and Bininformatics", International Meeting on Frontiers of Physics, the Year of Physics to commemorate the centennial years of Einstein's 1905 breakthrough paper on relativity, The Mines, Kuala Lumpur, Malaysia.
- Workshop Coordinator and Speaker, "Make Your Creative Juices Flow", Universiti Teknologi Malaysia, October 30, 2004, Skudai, Johore, Malaysia.
- Distinguished Speaker, "Bininformatics – informatic of biotechnology, information technology, and nanotechnology", Saudi Bio2004 International Conference, May 10-12, 2004, Jeddah, Saudi Arabia.
- Keynote Lecture, "Nanotechnology in diagnostics and drug delivery", *Current Trends in Drug Discovery Research*, February 17-20, 2004, Lucknow, India.
- Plenary Lecture, "Applications of nanotechnology in biotechnology", International Conference on Bioinformatics, September 7-10, 2003, Hotel Shangri-la Rasa Sayang, Penang, Malaysia.
- Lecture Circuit, including:
 - Plenary Lecture, 27th Annual Conference of the Malaysian Biochemistry Society, "Bininformatics", Pan Pacific Hotel, Kuala Lumpur, Malaysia.

- Public Lecture, “AgBiotechnology”, Malaysia Agricultural Research & Development Institute (MARDI), September 25, 2002, Kuala Lumpur, Malaysia.
- Public Lecture, “NanoBiotechnology”, University Technology Malaysia, Johore Bahru, Malaysia.
- Plenary Lecture, BioMalaysia 2002, “Biochip Technology Utilizing Fluorescent Nanocrystals”, Oct 1-4, 2002, Putra World Trade Center, Kuala Lumpur, Malaysia.
- Bioinformatics: Taking a Closer Look from the Scientific & Business Perspectives, September 24, 2002, J.W. Marriott Hotel, A full day workshop, An Odyssey of the Bioinformatics Kind: “Nanotechnology”, “Patent”, “Bioinformation for Commercialization”, “Bioinformatics Evolution: Biotech Meets Infotech”, “Market Structures”.
- Jeddah, Saudi Arabia:
 - Distinguished Speaker, “Diagnostics system utilizing nanocrystals”, April 6, 2002, Hyatt Hotel at SaudiBio2002.
 - Special Lecture, “Nanotechnology”, April 7, 2002, to best high school students.
- “Biotechnology 101”, BioBoot Camp, February 7, 2002, University of Texas at Dallas, Study and Review to determine best ways to launch a life science initiative in North Texas.
- “Convergence of Biotechnology and Nanotechnology”, October 18, 2001, Workshop in Honor Britton Chance on his 88th Birthday, The University of Texas Southwestern Medical Center, Dallas, Texas.
- Father’s Day Opening Lecture, The 10th International Bioinformatics & Genome Research Conference, June 17, 2001, Fairmont Hotel, San Francisco, USA.
- May 8, 2001, lecture at the Beijing Genomics Institute, Chinese Academy of Sciences, Beijing.
- Invited lecture at *Workshop on Post-Genomics Research*, May 3, 2001, University of Texas at Dallas, Dallas, Texas.
- Keynote lecture at *Golden Jubilee Symposium on Current Trends in Drug Discovery Research*, Feb 11-15, 2001, Central Drug Research Institute, Lucknow, India.
- Participant, Eli Lilly & Company, *Leadership V Program*, May 8, 2000.
- Panelist, *Beyond Bioinformatics: Moving Information to Knowledge*, Bio'98 Intl. Biotechnology Meeting & Exhibition, New York, June 14-18, 1998.
- Panelist, *The Economics of Drug Discovery*, University of Santiniketan, West Bengal, India, Jan 13, 1998.
- *Mathematical Characterization of Chemical Structures with Applications in Molecular Design and Hazard Assessment of Chemicals*, Jan 9-13, 1998, Visva Bharati University, Santiniketan, West Bengal, India.
- University of Magdeburg, “*Knowledge Discovery and Datamining of Biological Sequences*”, July 13, 1997, Magdeburg, Germany.
- Keynote speech at *the ACM International Conference on Supercomputing*, July 7-11, 1997, Chair: Hans Zima, Vienna, Austria.
- Keynote speech at *The Eleventh International Conference on Mathematical and Computer Modelling (ICMCM)*, March 31-April 3, 1997, Chair: Xavier Avula, Georgetown University Conference Center, Washington, DC, USA.
- Consiglio Nazionale Delle Recerche, Area Della Ricerca di Genova, “*Perspectives of High Performance Computing in Biosequence Analyses*”, Genoa, Italy, June 28, 1996.
- Consiglio Nazionale Delle Recerche, Area Della Ricerca di Milano, “*Gene Classification Using the Technique of Sequencing by Hybridization*”, Milan, Italy, June 25, 1996.
- Panelist, BioMASS, American Association for the Advancement of Science (AAAS), Stanford University, May 3, 1996.
- Genetic Engineering Research Institute Korean, Institute of Science and Technology, Daejeon, Series of six Lectures (Oct 5-15, 1993): 1) “*Overview of the Genome Project*”; 2) “*Homologous Sequence Analysis and Database Compilation*”; 3) “*Classification of Functional Regions of DNA Sequences*”; 4) “*Pattern Recognition in Nucleotide and Amino Acid Sequences*”; 5) “*Structural Aspects of DNA and Proteins*”; and 6) “*Numerical Simulation of DNA Electrophoresis*”.
- Korean Advanced Institute of Science and Technology, Daejeon, “*Informatics Issues in Life Sciences*” (Oct 15, 1993).
- National University of Singapore, BioComputing Seminar Series (Nov. 18-20, 1992), organized by Department of Biochemistry, Institute of Molecular and Cell Biology, Singapore Society for Biochemistry and Molecular Biology: 1) “*Computer Simulation of Molecular Evolution*”; 2) “*Challenges for Informatics in the Genome Project*”; 3) “*Fractal Representation of Nucleotide and Amino Acid Sequences*”.
- Keynote speaker at *The 1st International Conference on Mathematical & Computational Analysis of the Human Genome and Its Mutation Load*, October 20-24, 1992, Hotel Forras, Szeged, Hungary.

CONFERENCES AND VISITS (1990 - present):

- New Mountain To Climb, An Occasion to mark the 75th Birthday of Alan MacDiarmid, 2000 Chemistry Nobel Prize Laureate, November 5-7, 2002, Dallas, Texas.
- The 10th International Bioinformatics & Genome Research Conference, June 17-19, 2001, Fairmont Hotel, San Francisco, USA.
- Golden Jubilee Symposium, “*Current Trends in Drug Discovery Research*”, February 11-15, 2001, Central Drug Research Institute, Lucknow, India.
- The 18th Modern Engineering and Technology Seminar, November 11-18, 2000, Grand Hotel, Taipei, Taiwan.

- The 2nd International Conference on Bioinformatics of Genome Regulation and Structure. August 7-14, 2000, Novosibirsk, Russia.
- The 9th International Bioinformatics & Genome Research Conference, June 19-20, 2000, Fairmont Hotel, San Francisco, USA.
- The Second Indo-US Workshop on Mathematical Chemistry: Applications in drug discovery, environmental toxicology, chemoinformatics and bioinformatics, May 30-June 3, 2000, Duluth, USA.
- China Beijing International High-Tech Industries Week 2000, May 8-12, 2000, The National Agricultural Exhibition Hall, Beijing, China.
- North Center Bioinformatics Discussion Workshop, March 2, 2000, Chair: Qiang Boqin, VP, Chinese Academy of Sciences, Tsinghua University, Beijing, China.
- Guangdong/Hong-Kong/Macau Industrial Business World - Hand-in-Hand into the New Millennium, Grand Five Continental Hotel, Shenzhen, February 25, 2000.
- The 1st China Hi-Tech Fair, Oct 5-10, 1999, Shenzhen, China.
- The 10th International Congress on Genes, Gene Families, and Isozymes, Oct 5-10, 1999, Chair: Xue Guoxiong, Institute of Developmental Biology, Chinese Academy of Sciences, Beijing, China.
- The 12th International Conference on Mathematical and Computer Modelling, August 1-5, 1999, Chair: Xavier Avula, Chicago, USA.
- The 8th International Bioinformatics & Genome Research Conference, June 14-15, 1999, Hotel Nikko, San Francisco, USA.
- Investment Forum, Sept. 9-10, 1998, Howard Plaza Hotel, Taipei, Taiwan, Organizers: Development Center for Biotechnology, Taiwan Venture Capital Assoc.
- 1998 International Conference on Science and Business (ICOSB 98), Aug 20-21, 1998, Zhongshan University, Guangzhou, China.
- Modeling and Simulation of Gene Regulations and Metabolic Pathways, Dagstuhl, June 21-26, 1998, Chairs: J. Collado-Vides, R. Hofestädt, M. Mavrouniotis and G. Michal.
- BIO'98, Panel Discussion "Beyond Bioinformatics: Moving Information to Knowledge", New York City, June 14-18, 1998.
- The 7th Bioinformatics & Genome Research, The Copley Plaza Hotel, Boston, June 15-16, 1998, Chair: Hwa Lim.
- Biopartners with Taipei Venture Capital Association, Sheraton Hotel, Frazer, Pennsylvania, April 30-May 1, 1998, organized by Chinese Entrepreneur Association.
- Mathematical Characterization of Chemical Structures with Applications in Molecular Design and Hazard Assessment of Chemicals, Jan 9-13, 1998, Chairs: D.K. Sinha and S.C. Basak, Visva Bharati University, Santiniketan, West Bengal, India.
- University of Magdeburg, July 13-15, 1997, Host: Prof. Dr. Ralf Hofestädt, Magdeburg, Germany.
- The 11th ACM International Conference on Supercomputing, July 7-11, 1997, Chair: Hans Zima, Vienna, Austria.
- The 6th Bioinformatics & Genome Research, June 11-12, 1997, The Fairmont Hotel, San Francisco.
- The 9th International Congress on Isozymes, Genes and Gene Families, April 14-19, 1997, Chairs: John R. McCarrey and John L. VandeBerg, Hilton Palacio del Rio Hotel, San Antonio, Texas.
- The 11th International Conference on Mathematical and Computer Modelling (ICMCM), March 31--April 3, 1997, Chair: Xavier Avula, Georgetown University Conference Center, Washington, DC, USA.
- The 30th Annual Conference on Isozymes and Gene Families, December 9--13, 1996, Chair: Robert W. Gracy, Spice Island Inn/Blue Horizons Inn, Grenada, West Indies.
- The 5th Pacific Rim Biotechnology Conference & BioExpo '96, November 12--15, 1996, Chairs: Sang-ki Rhee, Seoul, Korea.
- Computer Science and Biology, German Conference on Bioinformatics (GCB '96), September 30--October 2, 1996, Chairs: Ralf Hofestädt and M. Löffler, University of Leipzig, Leipzig, Germany.
- Mathematical Molecular Biology Journal Club, Current Opinion on Structural Biology, July 24, 1996, Math. Department, Stanford University.
- The Second EL.B.A. Foundation Course on Genome, a NATO Advanced Study Institute on Genome Structure and Function, June 13-23, 1996, Marciana Marina, Isle of Elba.
- The 5th Bioinformatics & Genome Research, June 10-11, 1996, Baltimore Inner Harbor Marriott, Baltimore, Maryland.
- The 1st Golden Gate Symposium & The Fifth Life Science Symposium, Health Science Building, University of California at San Francisco (UCSF), San Francisco, June 1, 1996.
- Database/Expo '96, April 15-19, 1996, Moscone Convention Center, San Francisco.
- HIV Symposium: Insights Into The Molecular Targets of HIV Therapy, May 10, 1996 Stanford University School of Medicine, Division of Infectious Diseases and Geographic Medicine, Center for AIDS Research, Fairchild Auditorium, Chairs: Robert W. Shafer and Thomas C. Merigan.
- Beckman Center 7th Annual Program in Molecular Genetic Medicine Symposium and 5th Annual Bristol Myers Squibb Cardiovascular Symposium: Molecular Genetics of Complex Cardiovascular & Metabolic Disease, April 8-9, 1996, Stanford University Medical Center, Fairchild Auditorium, Chairs: Victor Dzau, Paul Berg, Pierre Corvol, Graeme Bell, James Scott.
- Software Development '96, March 26-28, 1996, Moscone Convention Center, San Francisco.

- The 3rd International Conference on Computational Physics (ICCP-3), Molecular Dynamics and Computational Biology Section, November 13-17, 1995, Chair: Samuel C. C. Chang, Chung-Yuan Christian University, Chung-Li, Taiwan.
- The 8th Int'l Congress on Isozymes, June 25-July 1, 1995, Chair: Roger Holmes, Carlton Crest Hotel, Brisbane, Australia.
- The 4th International Conference on Bioinformatics and Genome Research, June 5-7, 1995, Hotel Nikko, San Francisco.
- The 11th Annual Meeting of the South-East Nerve Net, March 25, 1995, Chair: Michael Meredith, Supercomputer Computations Research Institute, Florida State University.
- The 3rd International Conference on Bioinformatics and Genome Research, June 1-4, 1994, Chair: Hwa Lim, Augustus B. Turnbull III Florida State Conference Center, Tallahassee, Florida, USA.
- The 1st World Congress On Computational Medicine, Public Health, and Biotechnology, April 24-28, 1994, Chair: Matthew Witten, Hyatt Regency Hotel, Austin, Texas.
- RIKEN, Saitama, and Keio University School of Medicine and Department of Molecular Biology, Shinjuku-ku, November 20-22, 1993 (Hosts: Professor Isao Endo, Head of Chemical Engineering Lab., RIKEN; Professor Nobuyoshi Shimizu, Chairman, Keio University School of Medicine).
- Human Genome and Mapping Workshop 93, November 14-17, 1993, President: Kenichi Matsubara, International Conference Center, Kobe, Japan.
- Food and Agricultural Organisation (FAO), United Nations, Rome, Italy, October 24-27, 1993 (Host: Dr. Pal Hajas, CPO).
- Science and Technology Evaluation and Planning Institute (STEPI), Seoul, Korea, October 20-21, 1993 (Host: Moon-hi Han, Director, STEPI).
- Korean Institute of Science and Technology, Daejeon, October 5-15, 1993 (Host: Dr. Yong-ha Park, National Project Director, Bioinformatics and Systematics).
- The Institute of Applied Physics and Computational Mathematics, Beijing, September 28-29, 1993 (Host: Professor Fu Hong-yuan, Director).
- The 2nd International Conference on Computational Physics, Biology Section, September 13-17, 1993, Chair: De-Yuan Li, International Convention Centre, Beijing, China.
- Shanghai Institute of Biochemistry and National Gene Centre, Shanghai, China, September 7-8, 1993 (Host: Professor Gua Fang Hong, Director, National Gene Centre).
- Biotech Research Institute, South China Normal University, Guangzhou, China, September 4-6, 1993 (Professor Lin De-Qiu, Microbiology).
- The 9th International Conference on Mathematical and Scientific Computing, July 26-29, 1993, Chair: Xavier Avula, Berkeley, California, USA.
- The 1st International Conference on Intelligent Systems for Molecular Biology, July 6-9, 1993, Chair: Lawrence Hunter, National Library of Medicine, Bethesda, Maryland, DC, USA.
- The 5th International Symposium and Workshops of the Society of Chinese Bioscientists in American, June 15-20, 1993, Chair: Leroy F. Liu, Baltimore, Maryland, USA.
- Malayan University of Science and Technology, Penang, Malaysia, December 2-3, 1992.
- Seminar Series Speaker at National University of Singapore Seminar Series, visit to Bioprocessing Technology Unit (BTU), Singapore General Hospital, Institute of Molecular and Cell Biology, Institute of Systems Science, Department of Biochemistry, November, 18-20, 1992, National University of Singapore, Singapore (Host: Dr. Tan Tin Wee, Biochemistry).
- Institute of Developmental Biology, Academia Sinica, Beijing, China, November 12-13, 1992 (Host: Professor Xue Guo Xiong, Head).
- US/China Joint Conference on Education, November 10, 1992, The Great Hall of the People, Beijing, China.
- Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong, November 2-7, 1992 (Host: Dr. Xiong Rong).
- Keynote Speaker in First International Conference on Mathematical and Computational Analysis of the Human Genome and Its Mutation Load, October 20-24, 1992, Chair: István Szentesi, Hotel Forras, Szeged, Hungary.
- Human Genome '92, October 14-17, 1992, Chairs: Walter Bodmer, Charles Cantor and Jean-Louis Mandel, The Acropolis, Nice, France.
- GraphiCon '92, September 28-October 2, 1992, Keldysh Institute, Moscow, Russia.
- The 7th International Congress on Isozymes, September 6-13, 1992, Chair: Oleg Serov, Novosibirsk, Russia.
- "Bioinformatics" in: The 9th International Biotechnology Congress, Sponsored by American Chemical Society, August 16--21, 1992, Chair: Daniel I.-C. Wang, Washington, D.C., USA.
- The 2nd International Conference on Bioinformatics, Supercomputing and Complex Genome Analysis, June 4-7, 1992, Chair: Hwa Lim, The TradeWinds Hotel, St. Petersburg Beach, Florida, USA.
- A Workshop on High Performance Computing and Grand Challenges in Structural Biology, January 24-27, 1992, Chair: Paul Bash and Hagai Meirovitch, Florida Conference Center, Tallahassee, USA.
- Senior Project Conference- Bioengineering, April 20, 1992, Chair: Kenneth Lutchen, Boston University, Massachusetts, USA.
- Human Genome III, October 21-23, 1991, Chair: Walter Bodmer and Charles Cantor, San Diego, USA.

- The 8th International Conference on Mathematical and Computer Modelling, April 1-4, 1991, Chair: Xavier J.R. Avula, College Park, Maryland, USA.
- DOE Contractor/Grantee Human Genome Workshop, February 17-21, 1991, Chair: Charles Cantor, Santa Fe, USA.
- Human Genome II, October 22-24, 1990, Chair: Charles Cantor, San Diego, USA.
- Converging Approaches in Computational Biology, September 13-16, 1990, Chair: Carmen Mannella, Albany Conference, New York.
- The 1st International Conference on Modelling and Computer Methods in Molecular Biology and Genetics, August 27-September 1, 1990, Chair: Nikolay Kolchanov and Vadim Ratner, Novosibirsk, USSR.
- The 1st International Conference on Electrophoresis, Supercomputing and the Human Genome, April 10-13, 1990, Chair: Hwa Lim, Florida State Conference Center, Tallahassee, USA.
- The 2nd Biennial Workshop on Molecular Mechanics and Molecular Dynamics, March, 1990, Chair: Delos DeTar, Florida State Conference Center, Tallahassee, USA.
- Computer Software of Genome Program, December, 1989, Chair: Alexander Bayev, Pushchino, USSR.
- USSR Academy of Sciences, Ukrainian Academy of Sciences and the Georgian Academy of Sciences, December, 1989, USSR (Hosts: Professor Sergey Kurdyumov, Director, Keldysh Institute; Academician Alexander Bayev, Chairman, USSR Genome Program; Academician Gennady Kh. Matsuka, Director, Institute of Molecular Biology and Genetics, Ukrainian Academy of Sciences; Academician Guivi Sanadze, Vice President, Presidium of the Georgian Academy of Sciences).

BOOKS: (1990 - present) (all in English unless indicated)

1. Charles R. Cantor and Hwa A. Lim (eds.), *Electrophoresis, Supercomputing and the Human Genome*, (World Scientific Pub. Co., New Jersey, 1991), 325 pages.
2. Hwa A. Lim, James W. Fickett, Charles R. Cantor and Robert J. Robbins (eds.), *Bioinformatics, Supercomputing and Complex Genome Analysis*, (World Scientific Pub. Co., New Jersey, 1993), 648 pages.
3. Clement L. Markert, John G. Scandalios, Hwa A. Lim and Oleg L. Serov (eds.), *ISOZYMES: Organization and Roles in Evolution, Genetics and Physiology*, (World Scientific Pub. Co., New Jersey, 1994), 309 pages.
4. Nikolay A. Kolchanov and Hwa A. Lim, *Computer Analysis of Genetic Macromolecules: Structure, Function and Evolution*, (World Scientific Pub. Co., New Jersey, 1994), 556 pages.
5. Hwa A. Lim, Charles R. Cantor, (eds.), *Bioinformatics and Genome Research*, (World Scientific Pub. Co., New Jersey, 1995), 529 pages.
6. Roger S. Holmes, Hwa A. Lim, (eds.), *GENE FAMILIES: Structure, Function, Genetics and Evolution*, (World Scientific Pub. Co., New Jersey, 1996), 220 pages.
7. Ralf Hofestädt, and Hwa A. Lim (Hrsg.), *Molecular Bioinformatics- Sequence Analysis*, (Shaker Verlag, Aachen, Germany, 1997), 60 pages.
8. John R. McCarrey, John L. VandeBerg, and Hwa A. Lim (eds.), *Genes, Gene Families, and Isozymes*, The Journal of Experimental Zoology, Vol. 282, No. 1/2, (Wiley-Liss, New York, 1998), 283 pages.
9. Guoxiong Xue, Yongbiao Xue, Zhihong Xu, Roger Holmes, Graeme Hammond, and Hwa A. Lim (eds.), *GENE FAMILIES: Studies of DNA, RNA, Enzymes and Proteins*, (World Scientific Publishing Co., New Jersey, 2001), 305 pages.
10. Hwa A. Lim (Guest editor), *Pathways of Bioinformatics: From data to diseases*, Briefings in Bioinformatics, Vol. 3(1), (Henry-Stewart Publishers, London, 2002), 109 pages.
11. Hwa A. Lim, *GENETICALLY YOURS: Bioinforming, biopharming, and biofarming*, (World Scientific Publishing Co., New Jersey, 2002), 417 pages.
12. Hwa A. Lim, *CHANGE: in business, corporate governance, education, scandals, technology, and warfare*, (EN Publishing, Inc., Santa Clara, California, 2002), 567 pages.
13. Hwa A. Lim, and Carmelita Chao, *An Odyssey of the Genetic World: Bioinformatics, Cloning and nanotechnology*, (EN Publishing, Inc., Feb 2003), (In Chinese)
14. Hwa A. Lim, *Sex Is So Good, Why Clone? Human cloning: To do or not to do?* (EN Publishing, Inc., Santa Clara, April 2004).
15. Hwa A. Lim, *Multiplicity: Cloning, stem cell research and regenerative medicine*, (World Scientific Pub. Co., New Jersey, 2006).

[Updated and revised edition of *Sex Is So Good, Why Clone?*]

Forthcoming E-Books

16. Hwa A. Lim, *Healthfully Yours: Diets, diseases, fountain of youth, and longevity*.
17. Hwa A. Lim, *Ecofriendly Yours: Energy, biofuels, green and clean technologies*.
18. Hwa A. Lim, *Hippocratically Yours: Diseases, safety, and wellness*.
19. Hwa A. Lim, *Epidemiologically Yours: Plagues, infectious diseases, and diseases of the affluence*.
20. Hwa A. Lim, *Informatically Yours: Bioinformatics, Computational Biology and Systems Biology*.
21. Hwa A. Lim, *Cranially Yours: Intelligence, mental disorder, and tricks of the brain*.
22. Hwa A. Lim, *Creatively Yours: Creativity, culture, and entrepreneurship*.

BUSINESS PAPERS**Information Technology:**

1. Hwa A. Lim, "The Internet: Human-computer symbiosis", *Symbiosis*, February-April 2005, pp. 22-25.
2. DaHsuan Feng, and Hwa A. Lim, "Infotronics in a knowledge-base economy", *Verizonta*, 8(1), 2000.

Miscellaneous:

1. Hwa A. Lim, "Scientific communications: In search of one-handed scientists", *Asia Pacific Biotech*, No. 17(10&11), 2013, pp. 29-35.
2. Hwa A. Lim, "Dance for Life", *European Papers on the New Welfare*, No. 17, 2011.
3. Hwa A. Lim, "Creativity 2.0", *Symbiosis*, Sept/Dec, 2010.
4. Hwa A. Lim, "The business of innovation", *Symbiosis*, March 2008, pp. 6-9.
5. Hwa A. Lim, "Technology Adoption", *Symbiosis*, March 2008, pp. 23-26.
6. Hwa A. Lim, "From human resource to human capital", *Symbiosis*, May 2004, pp. 5-10.
7. Hwa A. Lim, "Creativity, culture, and entrepreneurship", *Symbiosis*, February-May 2004, pp. 4-10.
8. Hwa A. Lim, "Change please, please change", *Symbiosis*, October 2003, pp. 8-12.
9. Hwa A. Lim, "Education-A life-long process", *Symbiosis*, December 2002, pp. 13-17.
10. Hwa A. Lim, and Martin J. Wang, "Confluence of alternative and conventional medicines", *Silicon Valley High Tech*, Mar/Apr, 2000, pp. 34.
11. Hwa A. Lim, "Smoking gun", *Silicon Valley High Tech*, April 2000, Vol. 25.
12. Hwa A. Lim, and DaHsuan Feng, "A global economy without a global government", *Silicon Valley High Tech*.
13. Hwa A. Lim, "Patentability in biotechnology", *Silicon Valley High Tech*.
14. Hwa A. Lim, "The Human Genome Project".

SCIENTIFIC PAPERS: (1990, Cumulative > 100 papers since 1985)**Stem Cells and Regenerative Medicine:**

1. Hwa A. Lim, "Genes, stem cells and regenerative medicine", *Asia Pacific Biotech*, 17(8), 2013, pp. 25-31.
2. Hwa A. Lim, "Stem cells and regenerative medicine", *Asia Pacific Biotech*, 14(3), 2010, pp. 20-27.

Green Technology:

1. Hwa A. Lim, "Eco-fficiency: Green this and green that", *Symbiosis*, May/August, 2010.
2. Hwa A. Lim, "Eco-friendlily yours: the way forward", *Asia Pacific Biotech*, 14(7), July 2010, pp. 17-25.
3. Hwa A. Lim, "Einformatics: a green-collar career", *Energy Guide*, 2010/2011, pp. 31-35.
4. Hwa A. Lim, "Renewable and alternative energies", *Energy Guide*, 2009/2010, pp. 30-33.
5. Hwa A. Lim, "Renewable and alternative energies", *Symbiosis*, 2009, pp. xx-yy.
6. Hwa A. Lim, "Biofuels – The fifth utility", *Symbiosis*, October 2006, pp. 8-13.

Biotechnology:

1. Hwa A. Lim, "Incentives in Promoting Biotechnology", *Symbiosis*, November 2005-January 2006, pp. 21-23.
2. Hwa A. Lim, "Agriculture – Nature's gift", *Symbiosis*, August 2005, pp. 10-12.
3. Hwa A. Lim, "Biotechnology: Past, present, and future", *Symbiosis*, October 2004-January 2005, pp. 31-34

Nanotechnology:

1. Hwa A. Lim, "Nanotechnology in diagnostics and drug delivery", *Journal of the Medicinal Chemistry Research*, 13 (6&7), 2005. pp. 401-413.
2. Hwa A. Lim, "Bioinformatics, nanotechnology and SARS", *Symbiosis*, October 2003, pp. 26-29.

Bioinformatics:

1. Hwa A. Lim, "Bioinformatics in Communicable Diseases - the way forward", *Asia Pacific Biotech*, 14(12), December 2010, pp. 12-21..
2. Hwa A. Lim, "Turbo charging bioinformation for drug discovery", *Silicon Valley High Tech*, February 2000, Vol. 23, pp. 38-49.
3. Hwa A. Lim, and Daxi Li, "Biological and Biological-related information as a business commodity and the rise of bioinformatics, Part I", *Silicon Valley High Tech*, November/December 1999, Vol. 20/21, pp. 40-47.

4. Hwa A. Lim, and Daxi Li, "Biological and Biological-related information as a business commodity and the rise of bioinformatics, Part II", *Silicon Valley High Tech*, January 2000, Vol. 22, pp. 51-56.
5. Hwa A. Lim, and T.V. Venkatesh, "Bioinformatics in pre- and post-genomics eras", *Trends in Biotechnology*, April 2000, Vol. 18, pp. 133-135.
6. T.V. Venkatesh, Benjamin Bowen, and Hwa. A. Lim, "Bioinformatics, Pharma and Farmers", *Trends in Biotechnology*, March 1999, Volume 17 No. 3 (182), pp. 85-88.
7. Hwa A. Lim and Tauseef R. Butt, "Bioinformatics Takes Charge", *Trends in Biotechnology*, March 1998, Vol. 16 No. 3 (170), pp. 104-107.
8. Hwa A. Lim, "Bioinformatics and Cheminformatics in the Drug Discovery Cycle", In: *Lecture Notes in Computer Science, Bioinformatics*, R. Hofstaedt, T. Lengauer, M. Löffler and D. Schomburg (eds.), (Springer, Heidelberg, 1997), pp. 30--43.

Database Search and Analysis:

1. Victor B. Strelets and Hwa A. Lim, "Protein k-tuple Preference Analysis: Its Relation to Structure and Structural Prohibitions", *International Journal of Mathematical Modelling and Scientific Computing*, (1997).
2. Victor B. Strelets, Igor B. Rogozin, Luciano Milanese and Hwa A. Lim, "Exon/intron Structure Revealing Based on Protein k-tuple Statistics", *International Journal of Mathematical Modelling and Scientific Computing*, (1997).
3. Hwa A. Lim and Victor B. Strelets, "Statistical Analysis of Known Proteins in Sequence Databases and Coding Region Prediction", In: *Computational Medicine, Public Health, and Biotechnology (CompMed)* Vol. 1, Matthew Witten (ed.), (World Scientific, New Jersey, 1996) 190--210.
4. Victor B. Strelets and Hwa A. Lim, "Compression of Protein Sequence Databases", *Computer Applications in Biosciences (CABIOS)*, 11(5), 557--561, (1995).
5. Victor B. Strelets and Hwa A. Lim, "Ancient Splice Junction Shadows with Relation to Blocks in Protein Structure", *BioSystems*, 36, 37--41, (1995).
6. V.B. Strelets, I.N. Shindyalov, Hwa A. Lim, "Analysis of Peptides from Known Proteins: Clusterization in Sequence Space", *J. Mole. Evolution*, 39(6), 625--630, (1994).
7. V.B. Strelets, A.A. Ptitsyn, L. Milanese, Hwa A. Lim, "Data Bank Homology Search Algorithm with Linear Computation Complexity", *Comput. Appl. Biosci. (CABIOS)*, 10(3), 319--322, (1994).
8. I.N. Shindyalov, V.B. Streletc, N.A. Kolchanov, Hwa A. Lim, "A Method for Multiple Alignment and Its Application in Homolog Compilation", *Protein Seq. Data Anal.*, 5(5), 219--225, (1993).
9. V.V. Solovyev, S.V. Korolev, Hwa A. Lim, "A New Approach for the Classification of Functional Regions of DNA Sequences Based on Fractal Representation", *Intl J. Genomic Res.*, 1(1), 109--128, (1993).
10. Hwa A. Lim, "Classification of Functional Regions of DNA Sequences using Fractal Representation", *Mathl. Comput. Modelling*, 2, 617--622, (1993).
11. Hwa A. Lim, V.V. Solovyev, "A New General Approach for Searching Functional Regions Using Fractal Representation of Nucleotide and Amino Acid Sequences", *Harnessing Biotechnology for the 21st Century*, Ed. M.R. Ladisch and A. Bose, pp. 387--391 (American Chemical Society, Washington, D.C., 1992).
12. Hwa A. Lim, "Chaos Games Yield DNA Portraiture in Random Samples" (ed. Constance Holden), *Science*, 258, 894--895, (1992).
13. E. Hamori, G. Varga, M.T. Carroll, Hwa A. Lim, "Protein Fragment with Functional Role Viewed as the Sum Total of All DNA Sequences Coding for the Same Function", *FASEB J.*, 5(6), A1536, (1991).
14. V.V. Solovyev, S.V. Korolev, V.G. Tumanyan, Hwa A. Lim, "A New Approach to the Classification of DNA Sites Based on the Fractal Representation of a Set of Functionally Similar Sequences", *Doklady Biochemistry*, (Communicated by Academician A.D. Mirzabekov), 319(6), 1496--1500, (1991).
15. Hwa A. Lim, Ilya N. Shindyalov and Nikolay A. Kolchanov, "Computer Studies of Molecular Evolution of Gene Families Coding for Proteins", In: *ISOZYMES: Organization and Roles in Evolution, Genetics and Physiology*, Ed. C.L. Markert, J.G. Scandalios, H.A. Lim and O.L. Serov, (World Scientific Pub. Co., New Jersey, 1994), pp. 253--266.
16. Hwa A. Lim and Ilya N. Shindyalov, "Homologous Gene Family Database Compilation", In: *Proceedings of the Second International Conference on Bioinformatics, Supercomputing and Complex Genome Analysis*. Ed. H.A. Lim, J.W. Fickett, C.R. Cantor and R.J. Robbins, (World Scientific Pub. Co., New Jersey, 1993), pp. 403--411.
17. Ilya N. Shindyalov, Vcitor B. Streletc, Nikolay A. Kolchanov, Luciano Milanese, P. Vezzoni, M. Repetto and Hwa A. Lim, "A Method for Joining Contigs in Automatics DNA Sequencing", In: *Proceedings of the Second International Conference on Bioinformatics, Supercomputing and Complex Genome Analysis*. Ed. H.A. Lim, J.W. Fickett, C.R. Cantor and R.J. Robbins, (World Scientific Pub. Co., New Jersey, 1993), pp. 413--418.
18. Nikolay A. Kolchanov, Alexander E. Kel, M.P. Ponomarenko, A.G. Romachenko, J. Likhachev, Luciano Milanese and Hwa A. Lim, "Patterns of Oligonucleotide Distribution within DNA and RNA Functional Sites", In: *Proceedings of the Second International Conference on Bioinformatics, Supercomputing and Complex Genome Analysis*. Ed. H.A. Lim, J.W. Fickett, C.R. Cantor and R.J. Robbins, (World Scientific Pub. Co., New Jersey, 1993), pp. 445--463.
19. Alexander E. Kel, Nikolay A. Kolchanov, V.V. Kapitonov, M.P. Ponomarenko, E.A. Likhachev, Hwa A. Lim and Luciano Milanese, "Computer Analysis and Recognition of Functional Sites via Oligonucleotide Pattern Distributions", In:

- Proceedings of the Second International Conference on Bioinformatics, Supercomputing and Complex Genome Analysis.* Ed. H.A. Lim, J.W. Fickett, C.R. Cantor and R.J. Robbins, (World Scientific Pub. Co., New Jersey, 1993), pp. 521--543.
20. Victor V. Solovyev, Hwa A. Lim, Luciano Milanese and Charles Lawrence, "A Fractal Representation Approach for the Classification of Functional Regions of DNA Sequences", In: *Proceedings of the Second International Conference on Bioinformatics, Supercomputing and Complex Genome Analysis.* Ed. H.A. Lim, J.W. Fickett, C.R. Cantor and R.J. Robbins, (World Scientific Pub. Co., New Jersey, 1993), pp. 609--622.
 21. G. Varga, E. Hamori, M.T. Carroll, Hwa A. Lim, "Computer Graphics Algorithm for Abstract Representation of Protein and DNA Sequences Using PHIGS and Motif Program Development Tools", *Proceedings of The 2nd International graPHIGS User's Group Conference and Workshop*, 11, 1991.
 22. Hwa A. Lim, "Graphical Representation of DNA and Polyamino Acid Sequences", *Proceedings of the International Conference on Modelling and Computer Methods in Molecular Biology and Genetics*, (NOVA Science, New York, 1991).
 23. S.V. Korolev, V.V. Solovyev, V.G. Tumanyan, Hwa A. Lim, "Interactive Graphics Program of Chaos Game Representation of DNA Sequences", FSU-SCRI-91-02, 1990.

Software:

1. S.L. DeKorte, Hwa A. Lim, "ADEPT: An Application Development Tool", *International Journal of Mathematical Modelling and Scientific Computing*, (1997).
2. Victor B. Strelets and Hwa A. Lim, "SAGITTARIUS-- A Dialog Shell for Compressing Sequence Databases on IBM PC (PIR and GenBank Versions)", *International Journal of Mathematical Modelling and Scientific Computing*, (1997).
3. Dimitriy K. Kuznetsov, and Hwa A. Lim, "A Protein Visualization Program", In: *Visualizing Biological Information*, C.A. Pickover (ed.), (World Scientific Publishing Co., New Jersey, 1995), pp. 61-71.
4. I.N. Shindyalov, V.B. Streletc, N.A. Kolchanov, Hwa A. Lim, "Homologous Sequence Analysis Toolbox Development: Multiple Alignment and Classification of Evolutionary Modes", *Biomedical Modelling and Simulation*, Ed. J. Eisenfeld, D.S. Levine and M. Witten, pp. 189--199 (Elsevier Science Publishers B.V., North Holland, 1992).
5. D.K. Kuznetsov, Hwa A. Lim, "VisiCoor-A Simple Program for Protein Visualization", *J. Molecular Graphics*, 10, 21--28, (1991).

Separation & Sequencing:

1. G. Varga, J. Schmutz, B. Hauser, and Hwa A. Lim, "Neural Network Analysis of Sequencing By Hybridization (SBH) Signatures", In: *LNCIS Proceedings of German Conference on Bioinformatics*, '96.
2. E.J. Buks van Rensburg, Hwa A. Lim, "A Monte Carlo Study of Electrophoresis of Circular Polymer and DNA", *Math. Modelling and Sci. Computing*, (1997).
3. Hwa A. Lim, "Electrophoresis of Topologically Nontrivial Macromolecules: Mathematical and Computational Studies", *International Journal Modern Physics C*, 7(2), (1996) 217--271.

Simulation and Modeling:

1. Young Park, and Hwa A. Lim, 한국화학공학회, *The Korean Journal of Chemical Engineering*, 12 권, 1 호, 전체:8 페이지, 시작페이지:115 페이지, 1995 년 1 월. (*Korean J. of Chem. Eng.*, 12(1), 1995, pp. 115-122.
2. Hwa A. Lim, "Mathematical and Computational Studies of Kinesin Motility".
3. Hwa A. Lim, E.J. van Rensburg, "A Numerical Simulation of Electrophoresis of Knotted DNA", *Math. Modelling and Sci. Computing*, 1(1), 153-163, (1993).
4. V.V. Solovyev, S.K. Salikhova and Hwa A. Lim, "Spatial Structure Calculations of alpha-Helical Domains of Protein Molecules Using Quasispherical Primary Approximations", *Biomedical Modelling and Simulation*, Ed. J. Eisenfeld, D.S. Levine and M. Witten, pp. 201-211 (Elsevier Science Publishers B.V., North Holland, 1992).
5. Hwa A. Lim, M.T. Carroll, and E.J. van Rensburg, "Electrophoresis of Knotted DNA in a Regular and a Random Electrophoretic Medium", *Biomedical Modelling and Simulation*, Ed. J. Eisenfeld, D.S. Levine and M. Witten, pp. 213--223 (Elsevier Science Publishers B.V., North Holland, 1992).
6. Hwa A. Lim, "Mathematical Formulations and Computer Enumerations of Polymer Models with Loops", *Intl. J. Mod. Phys.*, 3(2), 385--446, (1992).
7. D.M. Pettus, N.P. Pettus and Hwa A. Lim, "A Computer Simulation of the Life Cycle of the Florida Bald Eagle", *Mathl. Comput. Modeling*, 16(10), pp. 183--196, (1992).
8. Hwa A. Lim, E.J. van Rensburg, "Electrophoresis of Circular & Knotted Polymers/DNA", *Mathematical Modelling and Scientific Computing*, 2, 622--629, (1992).
9. Hwa A. Lim, G.W. Slater, J. Noolandi, "A Model of the DNA Transient Orientation Overshoot during Gel Electrophoresis", *J. Chem. Phys.*, 92, 709--721, (1990).
10. D.E. Burnette, Hwa A. Lim, "Mathematical Models and Computer Enumerations of Polymers with Loops", *Mathl. Comput. Modelling*, 14, 486--493, (1990).
11. Hwa A. Lim, J. Noolandi, G.W. Slater, "Generalized Tube Model of Biased Reptation for DNA-Gel Electrophoresis", *Mathl. Comput. Modelling*, 14, 494--499, (1990).

12. Hwa A. Lim, D.E. Burnette, "Alternative Way to Locate the Transition Temperatures of Polymeric Models with Loops", *Phys. Rev. A*, 40, 5342--5350, (1989).
13. J. Noolandi, G.W. Slater, Hwa A. Lim, J.L. Viovy, "Generalized Tube Model of Biased Reptation for Gel Electrophoresis of DNA", *Science*, 243, 1456--1458, (1989).
14. Hwa A. Lim, "Monte Carlo Simulations of the Physical Mechanisms for Separation of Topologically Nontrivial Macromolecules during Electrophoresis", In: *Proceedings of the Second International Conference on Computational Physics*, Biology Section, Ed. De-Yuan Li, Da-Hsuan Feng, Michael R. Strayer and Tian-Yuan Zhang, (International Press, Cambridge, MA, 1995), 216--227.
15. Andrew Hasenfeld, Eric Pepke, Hwa A. Lim and Charles R. Cantor, "A New Agarose Model", In: *Proceedings of the Second International Conference on Bioinformatics, Supercomputing and Complex Genome Analysis*. Ed. H.A. Lim, J.W. Fickett, C.R. Cantor and R.J. Robbins, (World Scientific Pub. Co., New Jersey, 1993), pp. 501--504.
16. Young Park, Hwa A. Lim, "Dynamic Electrophoretic Transport in Separation Process", FSU Technical Report FSU-SCRI-95-12 (1993).
17. Young Park, Hwa A. Lim, "Electrophoretic Mass Transport of Polyelectrolyte in Composite Membranes: I. Macroscopic Study", FSU Technical Report FSU-SCRI-95-13 (1993).
18. Young Park, Hwa A. Lim, "Electrophoretic Mass Transport of Polyelectrolyte in Composite Membranes: II. Molecular Study", FSU Technical Report FSU-SCRI-95-14 (1993).
19. Gotz Schonherr, Hwa A. Lim, Gary W. Slater, Jaan Noolandi, "DNA Gel Electrophoresis: A Monte Carlo Simulation", FSU Technical Report (1991).
20. A. Hasenfeld, C.R. Cantor, Hwa A. Lim, "Continuous Modulation of the Electric Field in PFG: A Numerical Study", FSU-SCRI-90-169, 1990.
21. Hwa A. Lim, "Lattice Gas Automata of Fluid Dynamics for Unsteady Flow", *Complex Systems*, 2, (1988), pp. 45-58.

EXTRA CURRICULAR ACTIVITIES:

1. Competitive ballroom dancing (Dancesport), Hustle and Salsa, jogging; politics, customs, culture and love pets.
 - Amateur World Hustle Championships Champion (2007 [New Orleans, Louisiana], 2008 [Miami, Florida], 2009 [San Jose, California], 2010 [Miami, Florida]);
 - Pro-Rising Star Championships Champions (2011 [Orlando, Florida]).
 - Ballroom dances (5+5) first places
http://www.dtrends.com/HAL/Hal_dances.html
 - Certified coach, performer and choreographer
<http://www.youtube.com/friendssofhal>
http://www.bravodancestudio.us/Albums/CARnHAL_DanceClassVideos.html
2. Charity work:
 - "Hope for Haiti Now", Earthquake Relief Effort, March 20, 2010.
 - "Soar to New Heights", for Children with Special Needs, Feb 26, 2011.
 - "Luv & Wish", Christmas present drive for the needy, Dec 21-25, 2012.
http://www.ahsaworld.org/HalSpeeches_1.html
3. Proud participant of
Super Bowl 50 Halftime Show, February 7, 2016
with Beyoncé , Bruno Mars, and Coldplay
 - https://www.youtube.com/watch?v=L_Hgh7sPDLM