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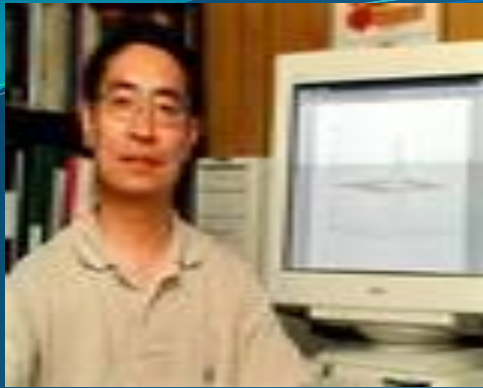
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Don Hong

**Editor in Chief
Journal of Health & Medical
Informatics**

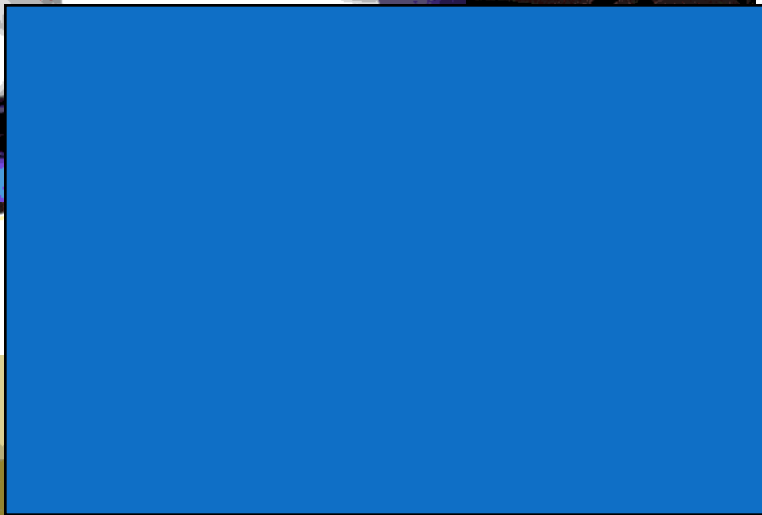
Health & Medical Informatics

- “... the application of computers, communications, and information technology and systems to all fields of medicine” (Morris Collen)
- “...transformation of data to information, information to knowledge”
- (M. ‘Scott’ Blois)

Journal of Health and Medical Informatics

- The Journal of Health & Medical Informatics (JHMI) is a scholarly journal that integrates the information and communication related to healthcare, medicine and their applications in medical information systems.

Informatics Applications



- Data capture devices
- New tools that deliver clinical interventions
- Substantive content specific to selected clinical trials
- Treat informatics like statistics: expect it in every project!

Health Informatics Support for Translational Medicine

⌘ **Basic
Research**

⌘ **Clinical
Research**

⌘ **Health
Services**

- ⌘ Bioinformatics and image management
- ⌘ Knowledge resources (literature, gene, images)
- ⌘ Intelligent access to distributed resources
- ⌘ Researcher's workstation & network

Editor's Biography

- Don Hong earned his Ph.D. in Mathematics from Texas A&M University
- Finished his postdoctoral training in computational mathematics at the University of Texas-Austin.
- Currently, he is full professor of the department of mathematical sciences and the Ph.D. program of computational sciences at Middle Tennessee State University.
- He has held Visiting Professor positions at several schools including Vanderbilt University, Ningbo University-China, North China University of Technology, and City University of Hong Kong.
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Awards and other Expertise

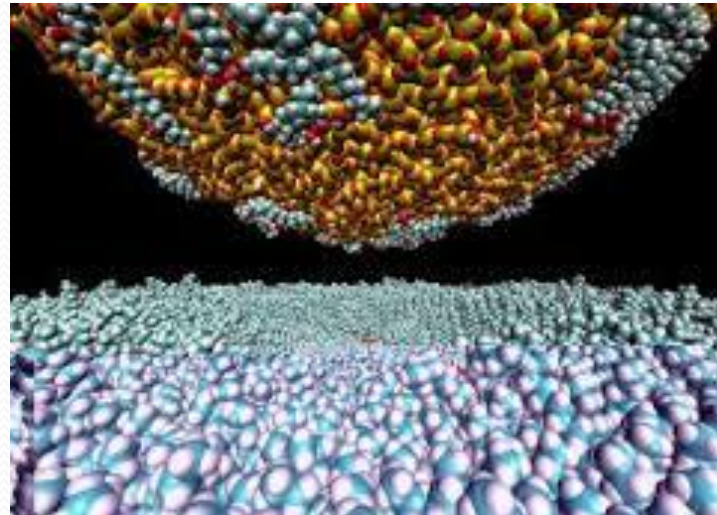
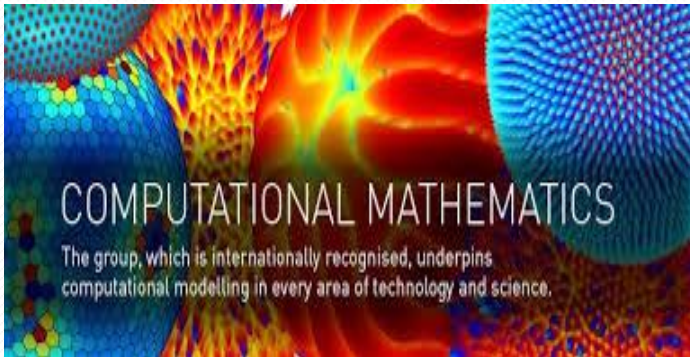
- He is serving on the editorial boards or as a guest editor for seven journals.
- Dr. Hong has received nearly \$1M external research grants as the principal investigator.

Research Interests

- Approximation Theory and Computational Mathematics including Splines and Wavelets with Applications
- Biomedical Data Analysis and Bioinformatics including Proteomic Data Mining and Medical Imaging and Image Processing
- Statistical Methods and Actuarial Science

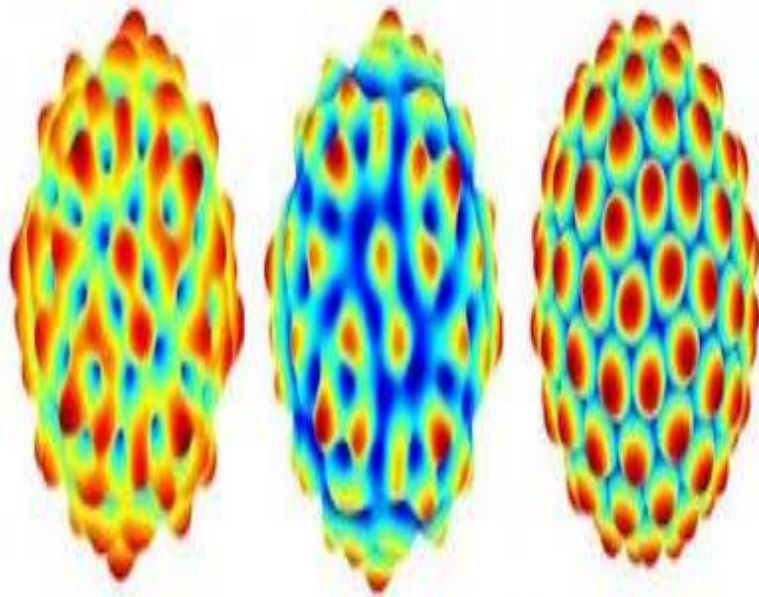
Machine learning

Computational Mathematics



Approximation Theory

- Approximation Theory



- Approximation theory a major branch of mathematics which includes function spaces, quantitatively characterization and their approximation schemes and power.
- It includes many sub-branches like optimal polynomials, Chebyshev approximation, Splines and Wavelets, Sparse Data Representation, and many more.

Recent Publications

- Wavelet-based procedures for proteomic mass spectrometry data processing, (with S. Chen and Y. Shyr), *Computational Statistics & Data Analysis* 52 (2007) 211 – 220.
- A novel comprehensive wave-form MS data processing method, (with S. Chen et al), *Bioinformatics* 6 (2009), 808–814.
- Elastic net-based framework for imaging mass spectrometry data biomarker selection and classification, (with F. Zhang), *Statistics in Medicine*, 30(2011):753-768.
- Health Insurance Rate Review Report, the TN Department of Commerce and Insurance, (with Q. Wu, H. Tuthill, and K.Hollman), 2012.
- Multi-Resolution Analysis Method for IMS Proteomic Data Biomarker Selection and Classification, (with L. Xiong), *British Journal of Mathematics & Computer Science* 5(2015): 64-80.

SIGNATURE

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Journal of Health & Medical Informatics related Journals

<http://scitechnol.com/applied-bioinformatics-computational-biology.php>

<http://omicsgroup.org/journals/primary-health-care-open-access.php>



Journal of Health & Medical Informatics related Conferences

For further details regarding the conference please visit:
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