

Systems Analyst, Lecturer, Consultant

SHORT PROFILE A multilingual systemist (systems analyst and designer), specializing in Knowledge Representation, Information technology and brain Informatics. Worked several years as faculty member, thesis advisor, lecturer and researcher. With extensive global experience in multicultural and multilingual context, I design technical and socio technical systems and educational graduate and postgraduate programs . Early career in publishing and journalism (London based science and technology correspondent) I have published extensively and try to keep an up to date scholarly profile (check me out on Google scholar and Scopus). I maintain a feed for Factiva Dow Jones and have been a columnist for Mindful Technology in HK since 2016. I have a wide range of interests, including complementary medicine and art. Member of the Ebrains Project in the role of PI since 2022, I have personal interests in complementary medicine, neurodiversity and the arts . **ORCID** <https://orcid.org/0000-0003-0770-3713>

CORE SKILLS Systems Analysis and development, Lecture, Research, author, edit, curriculum development and training.

QUALIFICATIONS (PhD 2012, MSc 2001)

Postdoctoral: CSKRNS (Center For Systems, Knowledge Representation and Neuroscience) UK and Taiwan Neuroscience and AI, Harvard Online Course Foundations of Neuroscience , Neurodiversity training

PhD, University of Strathclyde Glasgow UK - 2012 Knowledge Systems [PhD Thesis at the British Library](#)

MSc, University of Kent at Canterbury UK - 2000 InformationSystems (Knowledge Based system engineering)

BAHons, South Bank University London UK - 1995 International Business and Modern Languages

MEMBERSHIPS AND CONTRIBUTIONS TO STANDARDS:

W3C, Chair of SWUIG, AI KR CG,

Member of AAAI, IEEE, Taiwan Society of Neuroscience Committee for the evaluation of Open Standards

CMA (Complementary medical association UK)

RECENT PUBLICATIONS

2023 Towards a Web Standard for Neuro-Symbolic Integration and Knowledge Representation Using Model Cards (2023-04-21)

2022 **System Level Knowledge Representation for Edge Intelligence**, Book Chapter, Springer

2021 [System Level Knowledge Representation for Metacognition in ...](#) (Springer Nature)

[System Level Knowledge Analysis and Keyword Extraction in ...](#) (Springer Nature)

in Leveraging Artificial Intelligence in Global Epidemics (Elsevier)

System Level Knowledge Representation for Complexity ([IEEE Syscon 2021](#))

2020 Knowledge Representation in Neuroethics

<https://www.neuroethicssociety.org/2020-annual-meeting-abstracts>

AFFILIATIONS [Research Scholar, Ronin Institute](#) (US) [IGDORE](#) (Sweden) **STEM** [ITEEA](#)

PROFESSIONAL EXPERIENCE

Independent Research Scholar, consultant (2001)

Columnist (2016-2023) Mindful Technology, Hong Kong

Digital Publisher: I curate a feed for Factiva Dow Jones (2001, Todate) content, editing text in xml, uploading via FTP, I also take care of minting DOIs with Crossref

REA (Research Enterprise Agency) (Since 2001) Research Evaluation Expert Consultant (on contract))

Center for Systems, Knowledge Representation and Neuroscience (2018 to date)

Clinical Research, R&D and Remote Operations in Systems, Knowledge Representation and Neuroscience

ISTCS.ORG - 2009-to date

Systems Analyst and Consultant Research Engineer

ACADEMIC APPOINTMENTS

COLLEGE OF PHARMACY - Mandi India 2014-2018 Guest Lecturer, Visiting Faculty , Master Classes Systemic Medicine, Ethnobotany

IIT - Mandi India 2013-14 Visiting Faculty - Lecturer,

Mae Fah Luang University, Thailand - 2006-2009 Senior Lecturer Software Systems Engineering Quality Assurance Information Technology User

Experience and Usability Design, Humanitarian/Disaster Resilience Projects

South Kent College - UK 1995-2000 Lecturer in Information Systems, Operations

Sustainable Entrepreneurship - Startup School San Francisco/Edinburgh 2011 Course Director

INDUSTRY

Cutter Consortium - USA Researcher, Expert, Author 2003 -2011 (**check website to see list of publications www.hotter.com**) Editor in Chief, Publisher and Freelance Science and Technology Correspondent (Financial Times, Der Spiegel Online, content-wire.com London 1995-2001)

Other professional assignments include Systems Engineering and Operations - STD Logistics, International,

PUBLICATIONS: **SCOPUS ID** <https://www.scopus.com/authid/detail.uri?authorId=8524511000>

I have written, edited, published and reviewed articles in scholarly proceedings and journals, I am the author of monographs and technical reports on new technologies, business intelligence (communications architectures, chips, biotech) book chapters and keynote talks - See a partial list of publications: https://scholar.google.com/citations?user=NzExJ_QAAAAJ&hl=en

TALKS and SEMINARS

Recent: Neuroscience Symposium Academia Sinica Taipei , September 2020 - Integrated Diagnostic Systems

Open Science Room Organization for the Human Brain Project (2020) - Knowledge Representation for Neuroscience International Association of CIOs (Taipei Taiwan 2019) - Knowledge Representation for Governance

Brain Informatics, Haikou China (2019) Padual (2020, 2021)

Complexity Explorer Santa Fe Institute

Keynote IFLA Singapore 2015 (see book chapter De Gruyter Publishing)

Stanford Asia Forum Mumbai (2014) - Office of Tibet and ICT For Development

Stirling University/ SICSA UK - Network of Excellence

TEACHING AND TUTORIALS

I teach graduate and postgraduate courses in selected topics in Research Methods, AI, Systems and Software Engineering, Introduction to Neuroscience (selected topics: Neuromodulation, Brain Computer Interfaces, Connectome)

Software and systems engineering courses to graduate and postgraduate level since 2004

I have taught a seminar in 2010 at the Royal College of Engineering in Stockholm, as part of EUSECS 2010 organized by INCOSE

Given seminars and workshops at international conferences

<https://ieeexplore.ieee.org/document/4635232>

I also teach modern languages and selected topics in information technology

Technical, professional and academic communication and writing

Examples of other public contributions:

Parliamentary Committee UK