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Joseph D. Ben-Dak, Ph.D.
Curriculum Vitae

[www. KnowledgePlanning .com](http://www.KnowledgePlanning.com)

Dr. Joseph D. Ben-Dak has an extensive record in sustainable science and technology, in security/defense management combined with positive peace advocacy, and an international development planning career comprising top executive, investment management, strategic evaluation positions, diplomacy, licensing, program and project administration, personal and corporate business, political risk and international service with senior academic appointments in five countries.

Dr. Ben-Dak is Chairman and Chief Technology Officer of Knowledge Planning Corporation. Over the past five years, the Corporation's core competencies have been reoriented to include dual use military-commercial productivity and renewable energy sectors as well as certain security and counter-terror technology areas.

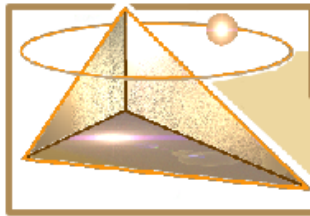
Dr Ben-Dak is also presently of Counsel with Mid-Market Securities, Investment Banking Advisors, New York on International Strategy and Sustainable Science Management.

Dr. Ben-Dak serves presently on the boards of several innovative corporations including:

- Advanced Reconnaissance Corporation [ARC] as Chief Strategy Officer and its Centar Joint Venture with ARINC, Inc in Annapolis, MD [smart airborne detection for energy misuse and waste, defense, drug trafficking, agriculture, aquaculture etc]
- Astroview Technologies as Vice Chairman [sharpest woven screens]
- Sovereign Investments, Principal [methods of increasing investor value in highly liquid bonds, both in the USA and developing countries/markets]
- London based Opportunity Investment Management [OIM] as Chief Technology Officer.
- Human Bionics Advisory Board [facilitates communications and measurement with intelligent neural sensors, Internet and non Internet interfacing]
- Comodo Holdings Advisory Board [authentication and combined enterprise and computing security software tool products and services]
- Identica [state of the art most effective and best ROI bio-identification for security and valid gate keeping demands]
- MTP Investments Advisory Board [broad range of technology and science based investments in private and public corporations]
- RBC Technology Advisory Board [unique raw data banking and management for a range of environmental and health areas]
- and a few other Advisory Boards in alternative and sustainable energy, multi-level planning software and data control tooling in the communications, security, transportation , education , recycling and health sectors in the USA, Israel, UK, Korea, China and India.

His academic record includes Policy Sciences, Planning Sciences and Peace Studies Professorship at the University of Haifa, Israel (1977-1984); the National Research Council Professorship in Technology Planning and Communication at the University of Sao Paulo, Brazil (1994-1997, 2005) and Visiting Senior Scholar (Sustainable Development) at Papua New Guinea's Institute for National Planning (1984-1985).

Beginning in the late 1980's and recently, Dr Ben-Dak has served, several times, as Visiting Professor at Seoul National University [Business/Enterprise Planning & Global Entrepreneurship in dual use technologies] and Kyung Hee University [International Sociology and Economics]. He was instrumental in the original development and continued programming of Korea's KAIST/KIST, (the national center of public and private industrial and scientific planning which has become since April, 2006, the leading financial /planning graduate training center in Korea) and the earliest and continuous introduction of technology



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formative evaluation regime and concerns of sustainable environment to Japan's Ministry of International Trade, MITI [now METI ,which includes energy] and similar major Asian Institutions.

During the period 1978-1983, in addition to his academic appointments in Israel, Dr Ben-Dak served as the Academic Director, Israel's Air Force School for Senior Officers. This training program, based jointly with the University of Haifa and the Technion - Israel Institute of Technology, pioneered top Air Force personnel multi-tasking and multi-theatre planning and management including inaugural curricula and R&D in a number of pertinent advanced themes. In a cognate realm ,Dr. Ben-Dak has recently (July 2002 - November 2006) completed work as Chairman of an international task force evaluating several government deemed areas of "critical" development in security concerns. In addition, he evaluated sustainability technology and international cooperation infrastructure in the USA and several Mediterranean countries including France and Italy.

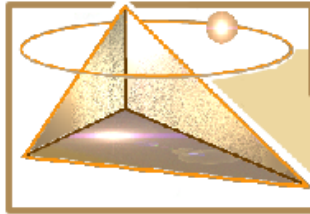
Dr Ben-Dak has also been active in helping to define for development Asian and African locale unique products "options" such as in art, agro-industry and mapping local human and non-human potentials utilizing orthodox and unorthodox methods in such assessment. Such opportunities include original systems of unobtrusive but strategic intervention in a number of economically entrepreneurially productive fields for export [e.g. fermented foods in West Africa], planning and measurement of technology innovation [e.g. in the Palestinian community in Gaza], sustainable energy breakthroughs in fuel cells and battery, water desalting and aquaculture & undersea resource harvesting [e.g. in Israel, Albania, Italy, Turkey, Vanuatu and Japan]. He has been, and continues, as an advisor to a few research centers and manufacturing plants in Third and Second world countries, occasionally creating teams specializing in developing ad-hoc solutions on-call in addition to curriculum and conceptual approaches to long range planning and training in the aforementioned areas.

Dr. Ben-Dak has also designed computing policies and assisted in the development of planning systems for distance education, tele-medical and wireless health communications needs, directed distance repair ,technology business management, language proficiency [e.g. in Farsi; Arabic], video gaming/training that is facilitated by unique FX design and planning community health delivery systems.

These aforementioned areas of expertise include many that were initially conceptualized during Dr. Ben-Dak tenure as Senior Evaluation Generalist (Highest US-AID evaluation expert rank) and Head, Professional Training Team, for the Practical Concepts, Inc. / U.S. Agency for International Development (US-AID) and several other US government agencies. Concepts transformed to projects in a wide range of developing countries and OECD, first, with Practical Concepts, Inc. [PCI], and then, in the form of dedicated technology transfer between and among some 20 countries that allowed for first time private/public cooperation (1977-92). Example for shorter-term projects included: Immigration and Transmigration of expertise to and from Turkey; Informatics, Privacy and Human Rights Diplomacy in post Communist countries in Asia; Interactive Cable and Local/Public TV in Arab world regions; Developing Countries' military-government relations in productive sectors and new technology enterprises; Less Developing Nations government officials training in order to create Enabling Environment for Technology Rich Business.

Since 1998, Dr Ben-Dak has served, per bono, as Chairman or as a member of a number of task forces aimed at enhancing US-foreign productivity initiatives such as International Chambers of Commerce, and particularly the Jordan-USA, the India-USA, the High Tech Cooperative Workshops in Northern Virginia [1998-2002] and the Commonwealth of Virginia Governor's Virginia-Israel Science and Technology Trade Advisory Board [Chairman, 1999-]. These are among the most consistently successful cooperation programs between US based and foreign corporations and technologies aimed at pushing state of the art domestic science products, upgrading or uncovering the potential of native products, and combined market development.

Serving the United Nations as the Principal Advisor to the Secretary General, Science and Technology and Public Management, (UNDP, 1992-1997), and the founder and Chief of the United Nations Global Technology Group (consultancy, 1989-1991 and then as Chief Administrator of the UN operative entity, 1991-1998; and then as CEO of the 501-C-3 Foundation, 1998-) Dr. Ben-Dak initiated and established successful sustainable technology and science businesses in numerous countries, including in Latin America and in Africa, China, Russia, Mongolia and the Arab World. On a recurring basis, during 2001-



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2005, he has run workshops for entrepreneurs and cognate program planners. He maintains a network of relationships with a few Non Government Organizations particularly with UNEP, with regional associations such as ECLAC, with sitting governments, with political oppositions and with private sector path setters in many of these countries.

Dr. Ben-Dak was elected a fellow of AAAS in Mathematics and Economics and won the US National Academy of Science Dissertation Award for Peace Studies.

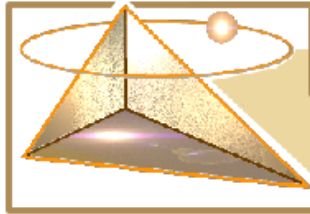
Dr. Ben-Dak is a graduate of Hebrew University, Jerusalem in Sociology and Middle Eastern Studies with extra studies in mathematics. He also has Masters Degrees in Social Psychology and PhD's in Methodology and Organizational Sociology and in the Program of Research on Conflict Resolution, all from the University of Michigan, Ann Arbor. He has done post-doctoral work in the Social Impact of Science Policy at Lund University, Sweden and Conflict Resolution at Oslo University, Norway (focusing on technology business development and regional politics conflict resolution). He has received, among a few honors, the first ever Honorary Doctorate from the Technical University of Mongolia, Ulaan Baatar [conferred on him jointly with the country's President], 1994. This honor was bestowed "for contributions to technology and technological education in Mongolia and advancing management programs at the University and in the nation of Mongolia."

Dr. Ben-Dak has achieved path-setting work in project and program design, mid-course correction and formative/summative evaluation, social impact of technology and innovation and design of dedicated communications systems. As examples, he was Co-leader, International Task Force on "Eco-INWARDS and Environmental Technology Management," for Metropolis, Paris and the Government of France; and served as a visiting Research Professor in Environmental Impacts on Society at the Brooklyn Polytechnic University during his tenure with the United Nations. His expertise also includes the planning of global, regional and corporate patent fencing and the formative and mid course correction of the "best international linkage", in given systems of innovations productivity and community intellectual property rights.

Dr. Ben-Dak is an avid consumer of, and commentator on, film and theatre. His main interests are in FX impact manufacturing [in terms of techniques] and reconciliation processes and in breakthrough technology communication [in terms of contents]; African [especially Senegalese], Arab [especially Egyptian, Syrian, Palestinian], and Israeli film. He also attends regularly and actively at intellectual and economists' fora including Internet websites such as the "New York City Junto" following the Benjamin Franklin Philadelphia example, the financial markets' "Specs List Network" and the UK based ATCA, ["The Asymmetric Threats Contingency Alliance"], a philanthropic and intellectual initiative that involves, among others, Fortune 1000 CEOs and other thought-leaders from all around the world. He is an invited Internet commentator, using a few pen names, to these as well as other web fora of European and Middle Eastern concerns.

Among Dr. Ben-Dak's publications are:

- "Bayesian Analysis: Applications for the Study of Foreign Behaviors," in P. McGowan (ed.), Yearbook of Foreign Policy Research, Los Angeles: Sage Publications.
- "A Tale of Two Golems," in Pitronim (Bilingual Issue), No. 2, 1980.
- "Why Has the Concept 'Deterrence' Lost its Meaning?" - International Interactions, Vol. 8, No. 3, 1982, pp. 56-66.
- "Learning to Unlearn: Coping with Mental slavery in the Third World." International Interactions, Vol. 9, No.1, 1983, pp. 69-76.
- "Can the Flying Geese Really Fly Together? Technical Cooperation between Korea and Japan." (Japanese) in Asia Pacific in the 21st Century, Tokyo, Japan, 1986.
- "Technology Development and Diffusion," in Clear Air Marketplace, Washington, DC, 1993.
- "A Catalytic Approach to Unique Product Development in the South," in Technological Cooperation between Countries (United Nations Quarterly), October 1995, pp. 33-39. This monograph in a more expanded version appeared also as "Catalytic Approach is Alternative" (Les Nouvelles, 1996); "Une Approche Catalytique au Developpement de Produits



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Uniques dans le Sud," (Cooperation Sud, 1996). • "Abordagem catalitica para o desenvolvimento de proutos nos paises do hemisferio sul" Sao Paulo: Escola Futuro, 1998.

• "Rights, Compensation, Indigenous Knowledge Systems and the Strategy of Global Intellectual Property Management: The Challenge." in T. Cottier and P. Widmer, (editors) Strategic Issues of Industrial Management in a Globalizing Economy Oxford: Hart Publishing, 1999

• "Assessing Medical Technology in Less Developed Countries," in The International Journal of Technology Assessment in Health Care, 13:3(1997), With S. Sideman.

• "Gaming and Simulation in the Service of Social Impact Assessment: An Exploration," in C.P. Wolf et al. (Editors), The Methodology of Social Impact Assessment: Stroudsburg, Pa.: Dowdon, Hutchinson and Ross.

• "Global Sensitivity: An exploration of Classroom Tactics," in D. Batchelder and E.G. Warner (editors) Beyond Experience: The Experimental Approach to Cross-Cultural Education, Brattleboro, Vt.: The Experiment Press. Reprinted in the American Political Science Association Teachers' Newsletter (short version, with Yair Zalmanowitz, August 1979), 12 pp.

• With Michel Mellinger and Marcia L. Rorke, "Technology Transfer and Economic Development," Santa Clarita: Professional Programs Audio Cassettes: LES/96/B3 (length 140 minutes).

• Sociology and Everyday Life: Teacher's Manual, Prentice Hall, Inc., Englewood Cliffs, NJ, (Series edited by Marcello Truzzi)

• Joseph D. Ben-Dak and Ramzi Habib Malik, Children of Abraham: Toward a New Spirit in the Near East, IDOC - International Documentation (first edition); IDEAS, Washington, DC, 62 pp. (second to eighth edition with an introduction by Senator Mark O. Hatfield, 1980, reprinted, 1990, 1996).

• Practical Concepts in Evaluation, Practical Concepts, Inc., Washington, DC. For the Agency for International Development. With Lawrence Posner. (Selected chapters by J.D. Ben-Dak reprinted as Practical Concepts in Evaluation: Reading and Exercises, Seoul National University Seoul, Korea, 1994.

• J. D. Ben-Dak and Edward Azar, International Interaction: Theory and Practice of Events Analysis, Gordon and Breach Science Publishers, New York, first edition 1978, second edition 1980 (ISBN #: 0-677-15570-3), 304 pp.

• J. D. Ben-Dak, Editor, Simulation of Intersocietal Relations, Gordon and Breach Science Publishers, and New York (ISBN #: 0-677-15570-6).

• J. D. Ben-Dak, Editor, The Future of Collective Violence: Societal and International Perspectives, Lund, Sweden; Student Literature.

• "The Catalytic Agent in International Markets: Exploration in New Enterprise," Washington, DC: The World Bank, Industry Development Division, 1988. (Chapters translated to Russian and Spanish, 1988-1995)

• "ISO 14000: Environmental Management Standards and Implications for Exporters to Developed and Underdeveloped Markets". New York: UNDP, 1996.

• "Invention Marketing: New Israeli Products in American and European Markets" Penthouse Middle East Edition Sep. 1989.

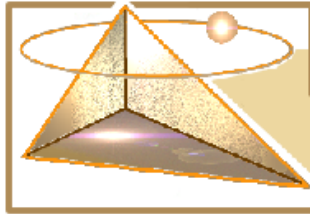
• "The West African Ibogen: The End of Drugs? A Review of Cross-Cultural Evidence," Monitin, Nov. 1989.

• "Corruption: An Educated Insight from Popular Cartoons in Papua New Guinea," Penthouse Middle East Edition Dec. 1999.

• "Business Development and the Economic Opportunity: Perspectives of Researching and Evolving Peace in the Middle East," in E. Monroe [Ed.], "Trade and Peace in the Middle East", NY PWPA, 1984.

• "Communication in the Middle East City of the 1990's." Chapter 20 in Abdulaziz Y. Saqqaf [Ed.], The Middle East City: Ancient Traditions Confront A Modern World. NY, Paragon, 1985.

• "Peaceful Options for Egypt and Israel: A Critical Analysis," in A.S. Nawar [Ed.], The Sadat Peace Initiative: A Scholarly Appraisal Ten Years Later. Cairo and New York, Paragon: 1989 [English Version].



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- "The Logical Framework in a Project Management System," Chapter 10 in William B. Rouse and Andrew P. Sage [Eds.], Handbook of Systems Engineering and Management, New York: John Wiley and Sons, 1998, 1999. 15 more reprints.
- "Peace Research for Positive Planning and the Imperative of Midcourse Correction in the International System" in N.N. Kittrie, R.Carazo, J.R.Mancham [Editors], The Future of Peace Research: Mitigating Discontents and Harmonizing Global Diversity NY: Paragon House; Carolina Academic Press, 2002/3.
- "Solid Waste Management Strategies and the Role of Business in Less Developed Countries," in New Approaches to Waste Management, I. Juran [Ed.], Polytechnic University, New York, 1995, 15 pp. in reprint format.
- "Positive Catalysis, Unique Products and Creative Business Management: The case for South-South Cooperation with a Little Help from Our Friends," United Nations (Technical Cooperation among Developing Countries), October 1995, 26 pp.
- "Program Support for the Implementation of a National Action Program for Technology Development and Transfer - The Gainex Problem," UNDP and Government of the Philippines Manila, 1995.
- "Towards Application of the Rosette Chronicles," Microelectronic and Computer Technology Corporation and GKIS Corporation, 1995,
- "Conceptual Framework for Municipal Solid Waste Management in Low Income Countries," UNDP, Cairo, 1995.
- "African Food Production and Communal Intellectual Rights in Commercialization," Randforum, Nairobi, November 1995.
- "Scenarios for the Marginalization of AID in a Changed World Economy: Reviews for UNDP," UNDP, New York, 1995., (limited distribution).
- "Convention on Biological Diversity of June 1992: Notes on Possible Amendment," UNDP, New York, 1995. (limited distribution).
- "Increasing Internet Connectivity in Sub-Saharan Africa: Issues, Options and United Nations System Role," Economic Commission for Africa, Addis Ababa, Ethiopia, April 1995.
- "Carnot Application Partnerships: Some Possibilities for South-South Cooperation," GTG / UNDP, 1997.
- "UN Designed Excellence As A Component of Business Valuation: The expected Impact of the proposed United Nations Flag Technology Status on Enterprise Value," Presented to UNIDO-LES Symposium on Valuation, Cancun, Mexico, April 25-May 1, 1997.