

Name: Magda M. Metwally, Ph.D.



Occupation (Rank):

- 1990 - present, Professor of Housing & Urban Development
- 1989 - 2005, Head of Architecture & Housing Research Institute (AHRI)
- Architectural & Urban Planning Consultant.

1- Specialization Fields:

- Development of poor communities
- Low -cost housing
- Urban and rural planning & development
- Upgrading of informal settlements

2- Ph.D. Title: “Computer-Aided-Design for Hospital Buildings”, 1977,
Building Science, Moscow Construction Engineering Institute MUCU, Moscow, USSR.

3- Project Manager for the implementation of the following Community Development Projects:

- Demonstration Project for the Sustainable Development of El-Hay Village, El-Saf Center, Giza Governorate, sponsored by the Social Fund for Development (SFD), 2003-2004.
- The Development of Productive Settlements for Youth in Badr New Community, sponsored by the Social Fund for Development (SFD) and the New Urban Communities Authority (NUCA), Implementing Agency: BADR Investors Society, 2002- 2004.
- Member of the Executive Committee for the implementation of SECDA project: Poverty Alleviation & Employment Generation Program (PAP) in Giza Governorate, sponsored by the Italian International Cooperation, 1999 – 2003.
- Environmental Improvement of El-Ganabya District - Tanta City, El-Gharbya Governorate, GOPP, 1997-1998.
- Comprehensive Development of El-Kassabgy Informal Area - Giza City, SUBE, sponsored by the UNICEF and Giza Governorate, 1994 - 1996.

4- Published Papers:

- Metwally, M. & Hamza, A. (2012). “The Role of the Egyptian Housing Code in the Development of Better Urban Environment”, Journal of Al-Azhar University Engineering Sector.
- Metwally, M. & Abdalla, S. (Sept. 2011). “Impact of Gated Communities on the Urban Development of New Cities in Egypt”, the 6th International Conference of the Research Network “Private Urban Governance & Gated Communities”, Istanbul, Turkey.
- Metwally, M. & Hamza, A. (Dec. 2010). “The Role of GIS in Planning and Development of Small and Medium Enterprises in Egypt”, International Conference of Al-Azhar University, Cairo.
- Metwally, M. & Abdalla, S. (Dec. 2006). “SUSTAINABLE DEVELOPMENT OF NEW CITIES IN EGYPT-planning & development of gated communities”, Arab Seminar on Arab Cities Development within Global Development, GOPP & Arab League.
- Metwally, M. (April 2006). “SUSTAINABLE DEVELOPMENT OF THE EGYPTIAN VILLAGE, DEMONSTRATION PROJECT AT EL HAY VILLAGE- GIZA GOVERNORATE”, International Sustainable Development Research Conference, Hong Kong.
- Metwally, M. & Samy, M. (2005). “EGYPTIAN VILLAGE PROBLEMS BETWEEN PLANING AND DEVELOPMENT”, the 5th Conference on Egyptian Rural Development, El-Menoufia University, Cairo.
- Metwally, M. & Abdalla, S. (Mar. 2005). “AN APPROACH TO SUSTAINABLE TOURISM DEVELOPMENT IN COASTAL AREA-EGYPT”, International Conference on Tourism and Development in Coastal Areas, Sharm El-Sheikh, Egypt.

- Metwally, M. & Samy, M. (Feb. 2004). "THE DEVELOPMENT OF THE EGYPTIAN VILLAGE BETWEEN REALITY AND IMPLEMENTATION", the 1st Conference on Sustainable Architectural & Urban Development, Cairo University, Egypt.
- Metwally, M. (April 2003). "DEVELOPMENT OF EGYPTIAN VILLAGES - TARGET POLICIES AND REALITIES", the 7th International Engineering Conference – Al-Azhar University, Cairo.
- Metwally, M. (Nov. 2002). "A SYSTEMATICAL MODEL FOR EVALUATING THE BUILDINGS ENVIRONMENTAL PERFORMANCE IN ARID ZONE", Symposium on Urban Development in Arid Regions & Associated Problems, Arab League, Ministry of Housing, Riyadh, KSA.
- Metwally, M. & El Ebiary, N. (Sept. 2001). "THE ROLE OF GIS IN PLANNING THE STRATEGIC DEVELOPMENT OF THE EGYPTIAN VILLAGES", the 3rd Conference on Egyptian Rural Development, El Menoufia University.
- Metwally, M. & Mahmoud, A. (Sept. 2001). "URBAN GROWTH & RURAL DEVELOPMENT IN EGYPT", the 3rd Conference on Egyptian Rural Development, El Menoufia University.
- Metwally, M. (Sept. 2001). "TOWARDS SUSTAINABLE DEVELOPMENT OF THE EGYPTIAN VILLAGES", the 3rd Conference on Egyptian Rural Development, El Menoufia University.
- Metwally, M. (April 2001). "DEVELOPMENT OF PRODUCTIVE SETTLEMENTS IN NEW COMMUNITIES. Seminar on "Small Enterprises Development", National Research Center, Cairo.
- Metwally, M. (April 2000). "THE DEVELOPMENT OF PRODUCTIVE SETTLEMENTS - ACCESS OF THE POOR COMMUNITY TO SHELTE" The CARDO International Conference on Housing, Work & Development "The Role of Home - Based Enterprises", New Castle, UK.
- Metwally, M. (Apr. 2000). "THE DEVELOPMENT OF PRODUCTIVE SETTLEMENTS IN NEW CITIES - An Approach to Sustainable Development", Conference on "Small Enterprises & Sustainable Development in Arab States, Arab League & Mansoura University.
- Metwally, M. (Feb. 2000). "ASSESSMENT OF THE RURAL DEVELOPMENT STATUS IN EGYPT", the 2nd Scientific Conference of the Research Board For Rural Development ASRT, Cairo.
- Metwally, M. & Serry, A. (Feb. 2000). "SUSTAINABLE URBAN DEVELOPMENT LEARNED LESSONS FROM THE EGYPTIAN EXPERIENCE", The Arab Regional Conference on "Environmental Balance & The Urban Sustainable Development", GOPP - Arab League – UNCHS.
- Metwally, M. (Mar. 1998). "SUSTAINABLE DEVELOPMENT OF SQUATTER SETTLEMENTS AND STRATEGY FOR CONTROLLING THEIR INFORMAL GROWTH", the 16th Conference of The Egyptian NGO Society for Medicine & Legislations, on "Squatter Settlements" Alexandria.
- Metwally, M. (Feb. 1998). "PARTENERSHIP FOR SUSTAINABLE DEVELOPMENT OF EL GANABYA DISTRICT - TANTA CITY - EL GUARBYA GOVERNORATE", Arab Regional Conference on Partnership and Enabling Strategies for Sustainable Urban Development" GOPP - Arab League - UNCHS.
- Metwally, M. & Fathy, M. (Oct. 1996). "THE FUTURE OF ARAB CITY AND ITS ROLE IN ECONOMIC DEVELOPMENT", Seminar on "The Future of Arab Economy", Al-Ahram Newspaper, Cairo.
- Metwally, M. (Dec. 1995). "COMPREHENSIVE DEVELOPMENT OF EL KASSABGY PROJECT GREATER CAIRO", Arab Regional Workshop on "The Role of NGO's in Promoting Sustainable Development for the Urban Poor", Sponsored by SUBE, Arab League, Social Fund for Development, UNCHS & Others.
- Metwally, M. (May. 1995). "MANAGEMENT AND IMPLEMENTATION OF COMPREHENSIVE DEVELOPMENT FOR PRODUCTIVE SETTLEMENTS IN NEW CITIES", GOPP Conference on "Future of New Cities & Communities", UNCHS - Arab League, Cairo.

- Metwally, M. (Mar. 1995). "ASSESSMENT OF URBAN LAND MANAGEMENT POLICIES IN DEVELOPING COUNTRIES - Comparative Study of the Urban Policies in 21 African and Arab States", International Seminar on "Urban Land Management, Regularization Policies and Local Development in Africa & Arab States, Organized by: UNDP - UMP - INCHS - AITEC - INTERURBA - WORLD BANK – GTZ - Ministere de Cooperation International, France, Abidjan.
- Metwally, M. (Jan. 1995). "CAIRO URBAN CHARACTER AND VISUAL POLLUTION OF THE URBAN ENVIRONMENT", Environment and Urban Growth, SUBE Publication.
- Metwally, M. (June 1994). "INCREMENTAL DEVELOPMENT - AN APPROACH TO DECREASE HOUSING COST IN NEW CITIES", Seminar on "The Role of Planning in Decreasing Housing Projects Cost", Ministry of Housing, Tunis.
- Metwally, M. (May 1994). "INFORMAL SETTLEMENTS BETWEEN RELOCATION AND DEVELOPMENT", Seminar on "Upgrading of Informal Settlements - Priorities and Alternatives, Cairo, organized by SUBE & Friedrich Naumann.
- Metwally, M. (Feb. 1994). "REGULARIZATION OF INFORMAL SETTLEMENTS A DOUBLE EDGE WEAPON", Al-Ahram Economic Magazine, Cairo.
- Metwally, M. (July 1993). "UPGRADING OF INFORMAL SETTLEMENTS IN ISMAILIA CITY", the 1st Consultation Conference for the "Ismailia Sustainable Development Project" UNDP-UNCHS, Ismailia.
- Metwally, M. (May 1993). "CONSTRUCTION INDUSTRY IN EGYPT", the 1st Consultation on Sustainable Construction Industry, UNDP- UNIDO, Tunis.
- Metwally, M. (Dec. 1989). "INTEGRATION BETWEEN SCHOOLS AND ENVIRONMENT", Seminar organized by GOHBPR & Ministry of Education & Cultural Centers, Cairo.
- Metwally, M. (Dec. 1989). "URBAN SPACES DESIGN AND HUMAN SCALE: Al-Azhar Engineering 1st International Conference.
- Metwally, M. (Oct. 1989). "THE SOCIO-FUNCTIONAL PERFORMANCE OF THE SHELTER", Seminar on "Shelter, Health and the Family", the Theme of World HABITAT Day, GOHBPR.
- Metwally, M. (May 1989). "NEW TRENDS IN ARCHITECTURAL DESIGN OF SCHOOL BUILDINGS", Seminar on "Development of School Buildings", GOHBPR.
- Metwally, M. (Mar. 1989). "URBAN PATTERN OF DESERT SETTLEMENTS", IVX International Congress for Statistics, Computer Science, Social and Demographic Research.
- Metwally, M. (Mar. 1989). "THE USE OF COMPUTER TECHNIQUES FOR PROGRAMMING AND COST CONTROL", the 5th Congress of Egyptian Architects Union.
- Metwally, M. & Others (Mar. 1988). "VISUAL POLLUTION OF CAIRO URBAN ENVIRONMENT", Seminar of the Egyptian Engineering Society, Cairo.
- Metwally, M. (Mar. 1988). "THE ROLE OF PLANNER IN PROMOTING SOCIAL INTEGRATION", the 13th International Congress for Statistics. Computer Science, and Demographic Research, Cairo.
- Metwally, M. (Dec. 1987). "PLANNING AND DESIGN OF HOUSING PROJECTS IN ARID ZONES", Seminar on the "Development and Reconstruction Technology of Desert", Nile center for information Education, and Training-State Information service.
- Metwally, M. (Oct. 1987). "SELF-HELP COMMUNITIES: ISMAILIA EXPERIENCE.. AN EVALUATION OF OUTCOMES", XIV IHAS World Congress on Housing , Berlin, Germany
- Metwally, M. (May 1987). "LES PROJETS DE DEVELOPMENT SOCIAL ET DE REHABILITATION DU CADRE DE VIE, ETUDE DE HAY AL-SALAM", Lecture au Centre d'etudes et de documentation economique juridique of sociale, CEDEJ.
- Metwally, M. (Apr. 1987). "COMMUNITY PARTICIPATION", the 3rd Congress of Egyptian Architects Union.
- Metwally, M. (1986). "UPGRADING AND SITE AND SERVICE PROJECTS", Seminar in Ismailia.
- Metwally, M. & Ardash, H. (Dec. 1986). "SOCIAL AND PSYCHOLOGICAL PERFORMANCE OF HOUSING PROJECTS", SYSTEMATIC APPROACH, IAHS-FIU, World Congress on Housing, Miami, Florida, USA.

- Metwally, M. (1986). "A MODEL FOR EVALUATING THE PERFORMANCE OF DESIGN SOLUTION: Part Two: Data Processing And Applications", Journal of the Egyptian Society of Engineers, Vol.25, No.3.
- Metwally, M. (1986). "MODEL FOR EVALUATING THE PERFORMANCE OF DESIGN SOLUTION: Part One: Model Formulation", Journal of the Egyptian Society of Engineers, Vol.25, No.2.
- Metwally, M. (1986). "EVALUATION TECHNIQUES AND THE ARCHITECT", Journal of the Egyptian Society of Engineers, Vol.25, No.1.
- Metwally, M. (1985). "OPTIMUM LOCATION OF ACTIVITIES WITHIN A MULTI-FLOOR COMPLEX BUILDING", Alam El-Benna Journal No.62.
- Metwally, M. (1979). "EVALUATION OF IBN SINAI HOSPITAL PROJECT", Feasibility Study Submitted to the Arab Investment Bank.
- Metwally, M. (1976). "DESIGN OPTIMIZATION OF MULTI-STORY BUILDINGS", Proceedings of the XXXV Technical Scientific Conference, Moscow, USSR.
- Metwally, M. (1971). "FATIMIDES CAIRO COMMUNITY CENTER PROPOSAL FOR REPLANNING OLD CAIRO", Build International, 16, 1971.

5- Professional Practice:

- 2002 - 2004, Architectural Consultant - Electronics Research Institute.
- 1997 - 2000, Representative of the Ministry of Housing in the Cooperation Committee between Egypt & Tunis in field of Housing & Urban Development.
- 2005-2006, NATIONAL PROJECT FOR PLANNING CULTURAL & ENTERTAINMENT CENTER- 6th October City- Paradise Land.
- 1996 - present, Housing & Urban Planning Consultant - General Organization for Physical Planning – GOPP
- 1995 - 2001, Member of the National Habitat Committee responsible for the preparation of the Country Reports (Habitat II, 1996 & Istanbul +5, 2001) and the implementation and follow-up of the Habitat Agenda.

6- Academic Practice:

- Supervision of Ph.D. and M.Sc. Thesis at Cairo University & Al-Azhar University.
- Lecturer in Civil Engineering Dept., Faculty of Engineering, Cairo University.
- Lecturer in Architectural Dept. Banha University, Cairo
- Organization of Training Courses.

7- Research Practice:

Team Leader for the Following Research Projects:

- THE FUTURE OF GATED COMMUNITIES IN EGYPT -National Project- HBRC, 2011-2013.
- Strategic Planning of Egyptian Mini-Villages in Fayoum Governorate, 2013.
- Strategic Planning of Egyptian Mini-Villages in Beni-Sweif Governorate, 2009.
- MOBARAK NATIONAL HOUSING PROJECT, Supported by the Ministry of Housing, Public Utilities & Urban Communities 2005-2006.
- EVALUATION OF THE GATED COMMUNITIES IN THE SUBURB OF THE GREATER CAIRO REGION, Supported by the Academy of Scientific Research & Technology ASRT 2004-2005.
- PHYSICAL MAP FOR THE PLANNING & DEVELOPMENT OF SMALL & MEDIUM ENTERPRISES IN EGYPT, National Project Supported by HBRC, Social Fund for Development, 2003-2005.
- NATIONAL DEMONSTRATION PROJECT FOR THE PHYSICAL PLANNING & DEVELOPMENT OF EGYPTIAN VILLAGES (Planning of 24villages in Sharkia, Kalioubya, Menoufia, Benisuef, Fayoum, Matrouh Governorates), Supported by GOPP, 2002-2009.

- PHYSICAL PLANNING & COMPREHENSIVE RURAL DEVELOPMENT OF ELHAY VILLAGE IN GIZA GOVERNORATE - ENABLING AND PARTICIPATORY APPROACH, Supported by the Academy of Scientific Research & Technology ASRT, 2001 -2002.
- FEASIBILITY STUDY FOR THE IMPLEMENTATION OF A PRODUCTIVE COMMUNITY IN BADR NEW COMMUNITY, Supported by the Social Fund for Development & the New Urban Communities Authority NUCA, 2001-2002.
- THE PHYSICAL PLANNING OF THE EGYPTIAN VILLAGES, Supported by the Academy of Scientific Research & Technology ASRT.
Vol. I, Documentary Study & Data Base for the Rural Development in Egypt, 1999-2000.
Vol. II, Assessment of Rural Development in Egypt, Case Studies (13 Egyptian Villages), 2000-2001.
- PROJECTS OF PRODUCTIVE COMMUNITIES IN NEW CITIES, DEVELOPMENT Supported by the Social Fund For Development SFD & the New Urban Communities Authority NUCA, 1999-2000.
- LAND PROVISION FOR LOW -INCOME GROUPS - PILOT PROJECT FOR URBAN DEVELOPMENT IN NEW CITIES - Supported by the New Urban Communities, Authority (NUCA), 1998.
- PLANNING AND DESIGN OF MOBARAK NATIONAL HOUSING PROJECT IN NEW CITIES, 1997-98.
- PLANNING AND DESIGN OF MOBARAK NATIONAL HOUSING PROJECT IN SUEZ GOVERNORATE, 1997-98.
- PLANNING AND DESIGN OF RURAL COMMUNITIES IN NORTH OASIS, Giza Governorate, 1995.
- TRANSFORMATIONS OF GOVERNMENT BUILT LOW COST HOUSING AS GENERATORS OF SHELTER AND EMPLOYMENT, Case Study, Egypt, Sponsored by GOHBPR, ODA, Joint Project Between HBRC & Univ. of New Castle Upon Tyne, 1993-1995.
- URBAN LAND MANAGEMENT, REGULARIZATION POLICIES & LOCAL DEVELOPMENT IN EGYPT, Case Study Report, Supported by AITEC, INTERURBA, July-Dec. 1994.
- THE DESIGN AND PLANNING OF NEW SETTLEMENTS IN A NEW RECLAIMED AREAS, Supported by Academy of Scientific Research & Technology, 1994.
- INTEGRATED DEVELOPMENT OF COMMUNITIES FOR THE HOMELESS IN NEW SETTLEMENTS ON THE PERIPHERY OF GREATER CAIRO, Competition organized by the Ministry of Housing & New Communities, the research project won the first prize, 1993.
- THE EFFICIENCY IMPROVEMENT OF NEW CITIES IN EGYPT, Supported by the Ministry of Development, New Communities, Housing and Public Utilities, July-1991.
- EVALUATION OF NEW COMMUNITIES IN THE SUBURBS OF CAIRO Case Study of Heliopolis & El Awkaff Community, Supported by the Academy of Scientific Research & Technology ASRT, 1991.
- NORMS & STANDARDS OF EDUCATIONAL BUILDINGS, Supported by USAID, 1989-90.
- COMPUTER APPLICATIONS IN PLANNING AND ARCHITECTURE, Data Processing and Analysis, 1989.
- SYSTEMATIC APPROACH TO HOUSING PROJECT EVALUATION
Vol. I Evaluation Methods
Vol. II The Performance of Housing Unit Design.
Vol. III The Performance of Housing Unit Design. Computer Program, Application.
Vol. IV The Planning Performance. Model Formulation, Application, 1985-86.
- AN EVALUATION STUDY of "ISMAILIA" DEMONSTRATION PROJECTS, Joint project between GOHPR & IHS Netherlands, 1986.

Team member for the following Research projects:

- RURAL HOUSING AND PHYSICAL PLANNING FOR THE EGYPTIAN VILLAGES, Supported by the Academy of Scientific Research, 1987-91.
Vol. 1 Updating of Basic Data for Population, Services, Physical Planning and Agriculture, 1989.
Vol. II Survey of Modern Rural Houses 1991.
- PLANNING NORMS AND STANDARDS OF SERVICE FACILITIES FOR NEW CITIES, Supported by GOPP, 1985.
- INFORMAL HOUSING IN EGYPT, ABT. Associates Inc & GOHBPR, supported by USAID 1981.
- CONSTRUCTION / CONTRACTING INDUSTRY IN EGYPT, Ministry of Housing & World Bank, 1980.

8- Affiliations (Syndicate, Scientific & Professional Associations):

- Egyptian Architects Union, Cairo-Egypt.
- Egyptian Syndicate of Engineers, Cairo-Egypt.
- Association of Egyptian Architects, Cairo-Egypt.

9- Technical Committee Membership:

- 2011- present, Head of the Steering Committee for The Preparation of The Hospitals & Health Facilities Code of Practice.
- 2007-2011, Member & Coordinator of the Steering Committee for The Preparation of The Hospitals & Health Facilities Code of Practice.
- 2007-present, Head of The Committee for The Preparation of the Egyptian Building Specifications for Openings in Buildings.
- 2004-present, Member of the Steering Committee for The Egyptian Building Code & Specifications.
- 2005 - present, Coordinator of the Steering Committee for The Preparation of Code of Practice for Housing Design & Planning.
- 2003-2005 member of HBNRC board.
- 2000 – 2002 Member of the Steering Committee for the Preparation of the Code of Practice for the Settlements Planning in Desert Areas.
- 1999 - present, Member of the Steering Committee for the Preparation of the Code of Practice for Planning & Design Special Buildings for Disabled People, 2000 – 2003, updating 2011-2013.
- 1992-1998, Coordinator of the Research Board for Housing and Urban Planning. Academy of Scientific Research & Technology, ASRT.
- 1978 - 1992, Coordinator of the Committee for Urban Planning, ASRT.

10-Extra Activities:

- Deputy Chairman of the "Small Enterprises & Community Development Association " SECDA Egyptian NGO, Giza, 1999 - 2003.
- Founder and General Secretary of "The Society for Upgrading the Built Environment "SUBE, Giza, 1993-1997.

Organizing National & International Workshops, Symposiums and Conferences in cooperation with local, national and international organizations:

- Upgrading of the Egyptian Village and the Agricultural Land Conservation, HBRC, Cairo Dec. 2004.
- Urban Strategies for Egypt 21, GOHBPR & ARST, Cairo, Oct. 1997.
- The Issues of Regularization Policies in Egypt, GOHBPR & ARST, Cairo, Apr. 1996.
- Arab States Regional Conference on National Housing Strategies, sponsored by The Ministry of New Communities, Housing and Public Utilities & Arab League, Dec.1992.
- Housing International Conference, Policies & Housing Systems For Low Income Communities, GOHBPR, IAHS(USA), Cairo, Feb.1992.
- Shelter and Urbanization, GOHBPR seminar on the occasion of the world HABITAT day, Dec. 1990.

- New cities between planning and implementation , Seminar supported by the Academy of Scientific Research, Technology Sept. 1990.
- Shelter, Health & the Family, on the occasion of the world HABITAT day GOHBPR, Oct. 1989.
- Development of the Educational buildings, supported by the Ministry of Education GOHBPR, June 1989.
- The Management Efficiency in Metropolitan Cities, Seminar supported by the Academy of Scientific Research, Technology, GOHBPR Nov. 1986.
- The Development Programs in "EL-Salam" Demonstration Projects, Ismailia, Oct. 1986.

Secretary General for the following Regional Workshops & Conferences as a SUBE contribution to HABITAT II 1996:

- International Conference on “Improving the Living Environment of the Urban Poor” - Towards a Sustainable Development - NGOs Preparatory Meeting to HABITAT II, sponsored by SUBE, UNCHS, SFD, ODA, Netherlands, Cairo, Dec. 1995, the conference lead to “Cairo Declaration of International NGOs” addressed to HABITAT II City Summit.
- Arab Regional Conference on “The Role of NGO’s in Promotion Sustainable Development for the Urban Poor “, supported by SUBE, UNCHS, Arab League, SFD, UNICEF & Others, Cairo, Dec. 1995.
- NGO’s Meeting on the City Summit, sponsored by SUBE, UNICEF, the meeting lead to the establishment of the “Egyptian NGOs Coalition for Human Settlements” , Cairo, March 1995.
- Workshop on Upgrading of Informal Settlements - Priorities & Alternatives, sponsored by SUBE & Friedrich Naumann-Stiftung, Cairo, May 1994.

11-Personal Data:

Foreign Language(s): French, English, Russian
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