

ABOUT THE AUTHORS

Maha Abdulrahim

Maha Abdulrahim joined the Atomic Energy Commission of Syria as an Economist in early 1986. She was the Head of Nuclear Regulatory Section and then Head of Safeguards Office at the AECS. She has also worked as a scientific assistant to the AECS's Director General in the field of Nuclear Regulation and Disarmament.

Adel M. Ali

Adel Mohammed Ahmed Ali of Egypt holds a Bachelors and Masters degree in Political Science from Cairo University and is currently reading for a PhD in nuclear non-proliferation. He has published widely on the issues of nuclear non-proliferation, nuclear weapon free zones and weapons of mass destruction free zones in the Middle East.

He is currently Assistant Lecturer at the Nuclear Law and Nuclear Regulations Department, the National Centre for Nuclear Safety and Radiological Control at the Egyptian Atomic Energy Authority. From July to October 2001, he was a visiting research scholar at the University of New Mexico, Institute for Public Policy in Albuquerque, New Mexico, USA, on contract with the Cooperative Monitoring Centre (CMC), Sandia National Laboratories.

Vilmos Cserveny

Vilmos Cserveny is currently Director of the Office of External and Policy Coordination for the IAEA. Prior to this post he was Head of Technology and Safety Policy Coordination, Inter Agency Affairs and Protocol Section.

Jozef Goldblat

Jozef Goldblat holds university degrees in international relations, law, economics and linguistics. He has been studying the problems of arms control since the late 1950s and has been involved in disarmament negotiations in various capacities, including service for the United Nations. He was active in international commissions responsible for verification of compliance with armistice agreements, has written reports, articles and books on truce supervision, the arms race and disarmament problems, which have appeared in several languages, and has lectured at several universities. From 1969 to 1989 he directed the arms control and disarmament research programme at the Stockholm International Peace Research Institute (SIPRI). In 1980 he assisted the UN Secretary-General in preparing a report on a comprehensive nuclear test ban, and in 1984 received the Pomerance Award in recognition of his scholarship in the field of arms control and disarmament. He is Vice-President of the Geneva International Peace Research Institute (GIPRI). He is also Associate Editor of *Security Dialogue*, a journal published by the International Peace Research Institute, Oslo (PRIO), and Resident Senior Fellow at the United Nations Institute for Disarmament Research (UNIDIR) in Geneva. His most recent publication includes *Arms Control: The New Guide to Negotiations and Agreements* (Fully Revised and Updated Second Edition), Sage, 2002.

Fawzy H. Hammad

Fawzy Hussein Hammad of Egypt, holds a Bachelors and Masters degree from Alexandria University in Egypt and North Carolina State University in the USA. He also holds a PhD in Materials Science from Stanford University. During 1969 to 1971 he was a post doctorate fellow at the University of Nottingham in the United Kingdom.

Since January 1996, Fawzy Hussein Hammad has been Chairman of the National Committee for New and Advanced Materials at the Academy of Scientific Research and Technology of Egypt. From March 1994, he has been Professor Emeritus at the Atomic Energy Authority of Egypt where for four years (1990-1994) he was President and Chairman of the Board. Fawzy Hussein Hammad has also held positions at the IAEA, has worked as a consultant in technical cooperation and has been actively involved in efforts to establish a weapons of mass destruction free zone in the Middle East.

Hannelore Hoppe

Hannelore Hoppe joined the United Nations Secretariat in 1984. She is the Director and Deputy to the Under-Secretary-General for Disarmament Affairs in the UN Department for Disarmament Affairs.

Since joining the United Nations, Hannelore Hoppe has been involved in numerous activities of the United Nations in the field of arms limitation and disarmament.

Her assignments in the United Nations included, among others: Chief of the Weapons of Mass Destruction Branch of the Department for Disarmament Affairs (1998 to 2000); Secretary-General of the 2000 Review Conference on the Treaty on the Non-Proliferation of Nuclear Weapons, and Deputy Secretary-General of the 1995 NPT Review and Extension Conference; Secretary of the Conference on Facilitating the Entry into Force of the Comprehensive Nuclear-Test-Ban Treaty (November 2001); as well as Secretary of the Group of Governmental Experts on the United Nations Register of Conventional Arms in 1994 and 1997.

Hannelore Hoppe represented the Department for Disarmament Affairs at numerous international workshops and seminars dealing with specific arms control and disarmament issues.

Hannelore Hoppe holds a degree in Political Science.

Patricia M. Lewis

Patricia Lewis is the Director of the United Nations Institute for Disarmament Research (UNIDIR). Prior to this appointment, Patricia Lewis was the Director of the Verification Technology and Information Centre (VERTIC) in London from 1989 to 1997. Patricia Lewis holds her BSc (Hons) in physics from the University of Manchester and her PhD in nuclear physics from the University of Birmingham.

Before her current work at UNIDIR in Geneva, Patricia Lewis has worked in India, New Zealand, Australia and the United Kingdom. She is a dual national of the United Kingdom and the Republic of Ireland.

Patricia Lewis was appointed UK Governmental Expert to the 1990 UN Study on the Role of the UN in Verification and she was also appointed

consultant on conventional forces verification to the UK Foreign and Commonwealth Office 1989-1990. She was the Elizabeth Poppleton Fellow at the Australian National University in 1992. In 1998-1999, Patricia Lewis served as a Member of the Tokyo Forum for Nuclear Non-proliferation and Nuclear Disarmament, having previously served as an external reviewer for the Canberra Commission.

She is a member of the International Institute for Strategic Studies, Scientists for Global Responsibility and is a fellow of the British-American Project. Patricia Lewis sits on the Boards of the following organizations: The Acronym Institute, the Bonn International Conversion Center (BICC), the Initiative of Conflict Resolution and Ethnicity (INCORE), Northern Ireland, the Geneva Forum and the Oxford Research Group.

Jez Littlewood

Jez Littlewood served with the armed forces of the United Kingdom between 1988-1992 and gained a First Class degree from the Department of Peace Studies (University of Bradford) in 1995 specialising in European post-Cold War security issues. In 1997 he began his PhD research on biological weapons and arms control and went on to spend three years with the United Nations Department for Disarmament Affairs in Geneva working for the Chairman of Ad Hoc Group of the Biological Weapons Convention. He moved to the Mountbatten Centre for International Studies at the University of Southampton in 2001 and his current work focuses on WMD, especially biological weapons, Non-Lethal weapons, and Terrorism.

Jez Littlewood holds a PhD in Philosophy (University of Bradford), "The Protocol to the Biological and Toxin Weapons Convention: A case study in the development of arms control and disarmament for weapons of mass destruction" Awarded December 2001.

Ibrahim Othman

Ibrahim Othman is Director General of the Syrian Atomic Energy Commission and holds a PhD in Physics and M.Sc. in Medical Physics from Surrey University. He is a member of the American Nuclear Society, the British Institute of Radiology, the International Radiation Physics Society; Fellow of the Institute of Physics of UK. Prior to his appointment as Director

General he was Head of the Radiation Protection and Nuclear Safety department at AECS.

He has served the IAEA in many capacities including: expert on many missions; President of the IAEA 44th General Conference; Governor for Syria on the IAEA Board of Governors; Governor for Syria at the International Centre for Genetic Engineering and Biotechnology.

Ibrahim Othman has authored more than 50 scientific papers in the fields of radiation protection and nuclear safety and has also taught and lectured extensively on Radiation Physics and Safeguards Systems.

Enrique Román-Morey

Enrique Román-Morey, is Deputy Secretary-General of the Conference on Disarmament and Director of the Geneva Branch of the United Nations Department for Disarmament Affairs.

Born in the city of El Callao, Peru, Enrique Román-Morey has a Bachelors Degree in International Relations from the Diplomatic Academy of Peru (1970) and a Masters Degree in Political Science from the Universidad Iberoamericana de Mexico.

He is also a member of the Mexican Academy of International Law since 1997, having been distinguished as Doctor Honoris Causa in International Law. He is a former member of the Core Group of the Programme for Promoting Nuclear Non-proliferation (PPNN) and in his personal capacity sits on the Board of Directors of Lawyers Alliance for World Security (LAWS) in Washington, DC.

As a career diplomat with the Foreign Service of the Republic of Peru, Enrique Román-Morey has served in the Embassies of Peru in Switzerland, Canada, Italy, Yugoslavia, Bolivia, Egypt, Mexico and in the Permanent Mission of Peru to the United Nations in Geneva. He has also served in the Peruvian Ministry of Foreign Relations in the following capacities: Assistant Director, Director of Middle East Affairs in the Under-Secretariat of Foreign Affairs, Director of the Cabinet of the Vice-Minister of Foreign Affairs and Secretary-General for Foreign Affairs. He has been appointed as Secretary-General of the Fifth Review Conference of the Biological Weapons Convention and as Executive Secretary of the Fourth Meeting of States Parties to the Ottawa Convention to Ban Anti-Personal Landmines.

In May 1993, the Member States of the Prohibition of Nuclear Weapons in Latin America and the Caribbean (OPANAL) elected Enrique Román-Morey Secretary-General for a three-year term (1994-1997). In an unprecedented move for the Agency, he was re-elected for an additional term (1998-2001). The Treaty of Tlatelolco enacted the first Nuclear-Weapon-Free Zone in a largely populated area of the world.

Mohamed Kadry Said

Mohamed Kadry Said (Egypt): PhD, Maj.Gen. (ret.), Head of Military Studies Unit and technology advisor, Al-Ahram Center for Political and Strategic Studies, Cairo; member of the Committee for Strategic Planning in the Egyptian Council for Space Research Science and Technology; member of the Egyptian Council for Foreign Affairs, Cairo; Council member of the Pugwash Organization for Science and World Affairs and active member of the EuroMesco network. Contributor to Al-Ahram newspaper and author of many publications on security issues in Arabic and English.