



Professor Dr. Syed Arif Kamal

MS (Indiana, USA); MA (Johns Hopkins, USA); PhD; Post Doc (Albert Einstein Coll. of Med., USA)
Convener, NCRC (Math), HEC; Subject Comm. (Math), NTS; Sub-Comm. (Sch.), Educ. Comm., TIP
Member, Expert Panel (Math), National Curriculum Council, Ministry of Education, Govt. of Pakistan
Member, AIAA (USA), IBRO (France); *Program Convener*, Early Talent Research Participation Program
Member, Karachi University Senate; Academic Council; Boards of Faculty (Sc. & Arts); Board of Studies
Project Director, the NGDS Pilot Project; HEC-Approved PhD Supervisor and *Ex-Chairman* (Math.)

Professor, Department of Mathematics UNIVERSITY OF KARACHI

Office: Room No. G-5, Department of Mathematics, University of Karachi, University Road
Homepage: <http://ngds.uok.edu.pk/kamal> • *e-mail*: sakamal(at the rate of)uok.edu.pk
Paper Mail: University of Karachi, Post Office Box 8406, Karachi 75270 (Pakistan)
Link on KU Site: <http://www.uok.edu.pk/faculties/mathematics/faculty.php#kamal>
Public Profile: <http://pk.linkedin.com/pub/dr-syed-arif-kamal/12/b71/400>
Telephone: (92 21) 9926 1300-6 ext. 2293 (secretary), ext. 2380 (direct)

COLLOQUIA, GUEST LECTURES, PRESENTATIONS AND SEMINARS GIVEN

My Philosophy of Life
While there is a will there is a way

NO handwritten notes except original signatures.
VOID unless bears original signatures on every page.
DATE and TIME of printing must match on every page.

Abbreviations	
	AKU: The Aga Khan University Medical College, Karachi, Pakistan IST: Institute of space Technology, Islamabad, Pakistan KU: University of Karachi, Karachi, Pakistan
November 24, 2011 <i>Announcement</i>	• G69: Child-Health Monitoring Through Tools of Anthromathematics http://www.ngds-ku.org/Presentations/AFK.jpg Alliance Française de Karachi, Karachi, Pakistan
May 28, 2011 <i>Handout</i>	• G68: Intelligent Power, Conflict Resolution, Complexity and International Trade http://www.ngds-ku.org/Presentations/IBA.pdf Institute of Business Administration (IBA), City Campus, Karachi, Pakistan
March 31, 2011 <i>Handout</i>	• G67: Intelligent Power and Conflict Resolution http://www.ngds-ku.org/Presentations/IR05.pdf Department of Political Science, University of the Punjab, the Quaidé-Azam Campus, Lahore, Pakistan
February 19, 2011 <i>Handout</i>	• G66: From Anthropometry to Anthromathematics http://www.ngds-ku.org/Presentations/Ziauddin.pdf Faculty of Medicine Research Seminar, the Ziauddin University, Clifton Campus, Karachi, Pakistan
November 4, 2010 <i>Announcement</i>	• G65: My Journey of Life: Challenges and Opportunities http://www.ngds-ku.org/Presentations/PAS.pdf Guest Scientist, the Pakistan Academy of Sciences Karachi Chapter Program, the LEJ National Science Center, KU
September 29, 2010 <i>Handout</i>	• G64: Soft Power, Smart Power and Intelligent Power http://www.ngds-ku.org/Presentations/IR04.pdf Graduate Studies Discussion Group, Department of International Relations, KU
March 11, 2010 <i>Handout</i>	• G63: Simulation and Soft Power http://www.ngds-ku.org/Presentations/IR03.pdf Graduate Studies Discussion Group, Department of International Relations, KU

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- October 22, 2009
Handout
- **G62: Role of Information Processing in Conflict Resolution**
<http://www.ngds-ku.org/Presentations/IR02.pdf>
Graduate Studies Discussion Group, Department of International Relations, KU
- January 24, 2009
Event Highlights
Handout
- **G61: Role of Mathematics in the Clinical Sciences**
<http://www.ngds-ku.org/Presentations/ICCBS.htm>
<http://www.ngds-ku.org/Presentations/ICCBS.pdf>
Seminar, the International Center for Chemical and Biological Sciences (ICCBS), KU
- August 29, 2008
- **G60: Mission Design for Satellite-Launch Vehicle**
Concluding Session, Professional Development Short Course, Department of Aeronautics and Astronautics, IST
- August 16, 2008
Handout
- **G59: Technical Aspects of Preparing a Research Proposal**
<http://www.ngds-ku.org/Industrial/proposals.htm>
Presentation, Workshop on Preparing Research Proposals, Office of Dean, Faculty of Science, KU
- May 9, 2008
Handout
- **G58: Mission Design for Satellite-Launch Vehicle**
<http://www.ngds-ku.org/Presentations/UIT.pdf>
Research Seminar, the Usman Institute of Technology, Karachi
- March 29, 2008
Handout
- **G57: The Direction of Qibla (Makka)**
<http://www.ngds-ku.org/Presentations/Qibla.pdf>
Research Seminar, Department of Geography, KU
- November 8, 2007
Event Highlights
Handout
- **G56: Presentation Skills**
<http://www.ngds-ku.org/Professional/HEC01.htm>
<http://www.ngds-ku.org/Professional/HEC01.pdf>
Guest Lecture, Higher Education Commission, Karachi
- September 8, 2007
- **G55: Guidance, Navigation and Control of Satellite-Launch Vehicle**
Research Seminar, Department of Physics, KU
- August 30, 2007
Event Highlights
Handout
- **G54: Communication Skills in International Relations**
<http://www.ngds-ku.org/Professional/IR01.htm>
<http://www.ngds-ku.org/Professional/IR01.pdf>
Golden Jubilee Seminar Series, Graduate Studies Discussion Group, Department of International Relations, KU
- May 30, 2007
- **G53: The NGDS Pilot Project: A Bioinformatics Perspective**
Research Seminar, Bahria University, Karachi
- May 11, 2007
- **G52: Astrodynamics and Flight Dynamics**
Concluding Session, Professional Development Short Course, Training Division, SUPARCO (Plant), Pakistan Space and Upper Atmosphere Research Commission, Karachi
- September 21, 2006
- **G51: The NGDS Pilot Project: Growth and Development of the Pakistani Children**
Research Seminar, Department of Special Education, KU
- September 14, 2006
Event Highlights
Handout
- **G50: Time Management**
<http://www.ngds-ku.org/Professional/TM.htm>
<http://www.ngds-ku.org/Professional/Notes04.pdf>
Professional-Skills-Development Seminar, Department of Mathematics, KU — Chief Guest: Registrar, KU
- September 2, 2006
- **G49: BS, MS and PhD Schemes of Studies Prepared by NCRC (HEC)**
Research Seminar, Department of Mathematics, KU — Chief Guest: Dean, Faculty of Science, KU
- August 19, 2006
- **G48: Guidance, Navigation and Control of Spacecraft**
Concluding Session, Professional Development Short Course, Department of Aeronautics and Astronautics, IST
- August 5, 2006
- **G47: An Overview of Astrodynamics**
MPhil/PhD Seminar, Department of Mathematics, KU

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- July 29, 2006 • **G46: Control Laws for Spacecrafts and Satellites**
Research Seminar, Department of Mathematics, KU
- March 30, 2006 • **G45: Goal Setting**
Event Highlights
Handout
<http://www.ngds-ku.org/Professional/Goal.htm>
<http://www.ngds-ku.org/Professional/Notes03.pdf>
Professional-Skills-Development Seminar, Department of Mathematics, KU
— Chief Guest: Former Division Chief, United Nations Capital Development Fund
- March 16, 2006 • **G44: Presentation Skills**
Professional-Skills-Development Seminar, Department of Mathematics, KU
- March 4, 2006 • **G43: The ICP Model of Child Growth (Concluding Remarks)**
Research Seminar, Department of Mathematics, KU
- February 23, 2006 • **G42: Communication Skills**
Professional-Skills-Development Seminar, Department of Mathematics, KU
- February 20, 2006 • **G41: The NGDS Pilot Project: Is Your Child Growing All Right?**
Handout
http://www.ngds-ku.org/ngds_folder/Handout.pdf
Presentation, Beacon Light Academy, Karachi
- February 11, 2006 • **G40: Research-Proposal Writing**
Research Seminar, Department of Mathematics, KU
- October 26, 2005 • **G39: The NGDS Pilot Project: Generating Growth Profiles of Children and Monitoring Spinal Curvatures**
Seminar, Department of Pediatrics, Dow University of Health Sciences, Karachi
- August 27, 2005 • **G38: The NGDS Pilot Project: Methods to Generate Detailed Growth Profile and Monitor Spinal Curvatures in Children**
Seminar, Departments of Pediatrics and Orthopedic Surgery, Frontier Medical College, Abbottabad, KP, Pakistan
- August 26, 2005 • **G37: Astrodynamics for Space Technologists**
Concluding Session, Professional Development Short Course, Department of Aeronautics and Astronautics, IST
- August 6, 2005 • **G36: Department of Mathematics, University of Karachi: Challenges and Opportunities for the Twenty-First Century and the Third Millennium (Opening Remarks)**
Guest Research Seminar, Department of Mathematics, KU— Chief Guest: Vice Chancellor, KU
- July 30, 2005 • **G35: Mathematical Modeling of Growth of Children (Concluding Remarks)**
Research Seminar, Department of Mathematics, KU
- March 14, 2005 • **G34: Interviewing Skills**
(behavior-based interviewing: from the perspective of interviewee as well as interviewer) MIBM Seminar, Department of Mathematics, KU
- February 8, 2005 • **G33: Higher Education and Research in Mathematics at University of Karachi: Challenges and Opportunities**
MPhil/PhD Seminar, Department of Mathematics, KU
- January 17, 2005 • **G32: Industrial and Business Mathematics at University of Karachi Research, Teaching and Professional Exposure: Challenges and Opportunities**
MIBM Seminar, Department of Mathematics, KU
- January 15, 2005 • **G31: Mathematics Research and Teaching in University of Karachi: Challenges and Opportunities**
Research Seminar, Department of Mathematics, KU
- January 13, 2005 • **G30: How to Become a Good Presenter?**
Students' Seminar, Department of Mathematics, KU
- July 31, 2004 • **G29: Win the Interview: Win the Job**
Students' Seminar, Department of Mathematics, KU

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- March 22, 2004 • **G28: The NGDS Pilot Project: Controlling Growth of a Child**
Seminar, Postgraduate Teaching Program, Department of Pediatrics, the Nishtar Medical College, Multan, Pakistan
- February 7, 2004 • **G27: The Covariant-Generalized-Coupling Model of Global Electrocortical Activity**
Research Seminar, Department of Mathematics, KU
- January 19, 2004 • **G26: Presentation Skills to Persuade**
Students' Seminar, Department of Mathematics, KU
- January 17, 2004 • **G25: Effective Presentations**
MIBM Seminar, Department of Mathematics, KU
- May 6, 2003 • **G24: The NGDS Pilot Project: Modeling Growth of the Future PAF Officers**
Seminar, Air War College, PAF Base 'Faisal', Karachi
- March 8, 2003 • **G23: The NGDS Pilot Project: Anthropometry and Growth Modeling of the Pakistani Children**
Research Seminar, Faculty of Pharmacy, KU
- March 5, 2003 • **G22: Generalized-Coupling Model of Global Electrocortical Activity**
Research Seminar, Division of Biological and Biomedical Sciences, AKU
- January 22, 2003 • **G21: The NGDS Pilot Project: Anthropometry and Growth Modeling of the Pakistani Children**
Research Seminar, Division of Biological and Biomedical Sciences, AKU
- October 16, 2002 • **G20: The NGDS Pilot Project: Documenting and Modeling Growth of the Future Army Officers**
Presentation, Army Public School, 'O' Levels, Karachi
- April 24, 2002 • **G19: The NGDS Pilot Project: Documenting and Modeling Growth of the Pakistani Children**
Seminar, Postgraduate Teaching Program, Department of Pediatrics, AKU
- January 26, 2002 • **G18: The NGDS Pilot Project: Modeling Growth of the Pakistani Children**
Presentation, PAF (Fazaia) Degree College, Base 'Faisal', Karachi
- December 7, 2001 • **G17: The NGDS Pilot Project: Anthropometry of the Pakistani Children**
Presentation, Aureole High School, Karachi
- March 19, 1998 • **G16: Image Processing in the Business, the Medicine and the Industry**
Seminar, Hamdard Institute of Management Sciences (HIMS), Hamdard University, Karachi
- March 12, 1998 • **G15: Mathematical Modeling in the Business**
Seminar, Hamdard Institute of Management Sciences (HIMS), Hamdard University, Karachi
- March 7, 1998 • **G14: 3-D Optical Imaging and Image Processing: Biomedical Applications**
MIBM Seminar, Department of Mathematics, KU (coverage in April 1998 issue of the MEDICINE International)
- January 21, 1998 • **G13: How to Motivate the Students to Learn?**
Seminar, AKU
- October 21, 1995 • **G12: 3-D Optical Imaging and Image Processing**
MIBM Seminar, Department of Mathematics, KU
- October 7, 1995 • **G11: The Application of Mathematics to Rocketry**
MIBM Seminar, Department of Mathematics, KU
- August 3, 1995 • **G10: A Mathematical Model of the Brain**
MIBM Seminar, Department of Mathematics, KU
- July 3, 1993 • **G09: 3-D Optical Imaging: Medical Applications**
Guest Lecture, the Baqai Medical College, Karachi
- July 11, 1991 • **G08: 3-D Optical Imaging: Medical Applications**
Guest Lecture, AKU

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- July 16, 1990 • **G07: 3-D Optical Imaging**
Summer Luncheon Seminar, Harvard-MIT Center for Biomedical Engineering,
Massachusetts Institute of Technology, Cambridge, Massachusetts, USA
- October 1988 • **G06: Medical Applications of Moiré Fringe Topography**
Participant Talk, College on Medical Physics, ICTP (the Abdus-Salam International
Center for Theoretical Physics), Trieste, Italy
- August 21, 1988 • **G05: Moiré Topography**
Colloquium, Department of Physics, KU
- April 25, 1987 • **G04: Moiré Topography in the Management of Spinal Deformities**
Guest Lecture, AKU
- December 25, 1986 • **G03: Expansion of the Universe**
Presentation, Meeting of the Albert Einstein Society, Karachi
- November 25, 1986 • **G02: The Making of a Physicist**
The Karachi Physics Society Seminar, FG Urdu Science College, Karachi
- November 17, 1986 • **G01: Moiré Topography**
Presentation, Meeting of the Albert Einstein Society, Karachi

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