

REGIONAL COURSE ON PLASMA PHYSICS

NOVEMBER 12-30, 1994



Organized by:

**PLASMA PHYSICS GROUP
DEPARTMENT OF PHYSICS
QUAID-I-AZAM UNIVERSITY
ISLAMABAD, PAKISTAN**

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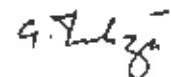
**G. Murtaza
Tahir Farid**

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PREFACE

It gives me great pleasure to announce the Proceedings of the **Regional Course on Plasma Physics** held at the Department of Physics, Quaid-i-Azam University, Islamabad, during November 12 - 30, 1994. The Course was hosted by the Management and Training Services Division, Commonwealth Secretariat, London. The objective of the Course was to promote the important field of Plasma Physics in Pakistan and other developing countries of the Asia Pacific Commonwealth Region and to create a Network of Scientists in the Region so as to share information and knowledge of Plasma Physics and Technology. Fourteen foreign scientists from Bangladesh, Malaysia, Zimbabwe, Nigeria and Kenya, and Sixtyfive Pakistani scientists participated in the said activity. Two foreign guest speakers Dr. A.R. Bell from UK and Prof. A. Hirose from Canada, and several Pakistani scientists delivered lectures covering various topics on Thermonuclear Fusion, Space Plasma and Plasma diagnostics. The lectures of Dr. A. R. Bell are not included in the proceedings since these will be published elsewhere. Local participants were financially supported by the Pakistan Atomic Energy Commission, Dr. A.Q. Khan Research Laboratories and Pakistan Science Foundation. The extraordinary delay in the publications of these proceedings is regretted. We hope that these proceedings will be of interest not only to the participants of the said Course but also to other young scientists working in Plasma Physics.


G Murtaza

(Chairman, Organising Committee)

January 30, 1997.

REGIONAL COURSE ON PLASMA PHYSICS
QUAID-I-AZAM UNIVERSITY, ISLAMABAD, PAKISTAN
(Nov 12 - 30, 1994)

List of Local Participants/Speakers

- | | |
|---|---|
| 1. Dr. Masud Ahmed, CSO, PAEC | 28. Mr. Asim Niaz, KRL |
| 2. Dr. M. Salahuddin, PSO, PAEC | 29. Dr. Fida Younus Khattak, GIK Institute, Topi |
| 3. Mr. Muhammad Arif Niaz, PSO, PAEC | 30. Dr. I.U. Rehman Durrani, CSSP, Punjab University |
| 4. Dr. Muhammad Mumtaz Raja, SSO, PAEC | 31. Dr. Hasan A. Shah, CSSP, Punjab University |
| 5. Mr. Abdul Hameed, SSO, PAEC | 32. Dr. Tariq Abdullah, CSSP, Punjab University |
| 6. Mr. Maqsood-ul-Hassan Nasim, SSO, PAEC | 33. Syed Ijaz Hussain Shah, CSSP, Punjab University |
| 7. Mr. Shahid Riaz Khan, SSO, PAEC | 34. Miss Uzma Noreen Ch., CSSP, Punjab University |
| 8. Dr. M. Mansoor Beg, CSO, R-Block | 35. Miss Mubashra Hameed, CSSP, Punjab University |
| 9. Dr. Mohammad Anwar, PSO, R-Block | 36. Mr. Rashid Ali, CSSP, Punjab University |
| 10. Mr. Muhammad Shabbir, SSO, R-Block | 37. Mr. Mahboob-ur-Rehman, Gomal Univ. |
| 11. Mr. Aqil-ur-Rehman, SSO, R-Block | 38. Mr. Amer Latif, Peshawar University |
| 12. Mr. Muhammad Yasin, SSO, R-Block | 39. Mr. Anwar Zeb Shah, Mirpur College |
| 13. Dr. Muhammad Zahid, SSO, R-Block | 40. Mr. Pervez Akhtar Chatta, Zamindara College, Gujrat |
| 14. Mr. Muhammad Raffi, SO, R-Block | 41. Dr. Tariq Majeed, Gujranwala |
| 15. Dr. Hamid Saleem, PSO, NPD, PINSTECH | 42. Dr. Ishfaq Bokhari, Mathematics Department, QAU |
| 16. Mr. Qamar-ul-Haq, SO, NPD, PINSTECH | 43. Dr. Yaqub Nasir, Mathematics Department, QAU |
| 17. Mr. Manzoor Ikram, SSO, APD, PINSTECH | 44. Dr. G. Murtaza, Physics Department, QAU |
| 18. Mr. Iftekhar Ahmed, SO, APD, PINSTECH | 45. Dr. Sakhawat Beg - do - |
| 19. Mr. Shahid Hussain, SO, APD, PINSTECH | 46. Dr. M. Zakauallah - do - |
| 20. Dr. Khalid Rashid, CSO, ICCO | 47. Dr. Arshad Majid Mirza - do - |
| 21. Dr. Asad Majid, CNS | 48. Mr. M. Suleman Qaisar, Plasma Physics Group, QAU |
| 22. Dr. M. Afzaal Malik, KRL | 49. Mr. Noor Abbas Din Khattak - do - |
| 23. Dr. Zafar-ullah Koreshi, KRL | 50. Mr. Imtiaz Ahmed - do - |
| 24. Dr. Saeed Murtaza, KRL | 51. Mr. Muhammad Iqbal - do - |
| 25. Mr. Irfan Ali Khan, KRL | 52. Mr. Shahid Qamar - do - |
| 26. Mr. M. Naseem Akhtar, KRL | 53. Mr. Zafar Yasin - do - |
| 27. Mr. Mureed Hussain, KRL | 54. Miss Samia Kausar - do - |

55. Mr. Khair-ur-Rahman,	- do -	61. Mr. Muhammad Asif	- do -
56. Miss Salma Khanum	- do -	62. Mr. Shahzad Mahmood	- do -
57. Miss Qurat-ul-Ain	- do -	63. Mr. Safdar Hussain	- do -
58. Miss Anisa Qamar	- do -	64. Mr. Muhammad Sharif	- do -
59. Mr. Mohammad Khizar	- do -	65. Mr. Muhammad Shafiq	- do -
60. Mr. Tahir Fard	- do -		

List of Foreign Participants/ Speakers

1. Prof. Dr. Akira Hirose, Director Plasma Physics Laboratory, University of Saskatchewan, Canada
2. Dr. A.R. Bell, Imperial College London
3. Dr. Mofizuddin Ahmed, Principal Scientific Officer, Bangladesh Atomic Energy Comm. Bangladesh
4. Mr. Mohammad Salahuddin, Assistant Professor, Jahangirnagar University, Bangladesh
5. Mr. Khairul Islam, Scientific Officer, Inst. of Nuclear Science & Tech, Bangladesh
6. Mr. Fazlul Karim, Asslt Scientific Adviser, Ministry of Science & Tech, Bangladesh
7. Mrs. Carin Ahmed, Scientific Officer, Inst. of Nuclear Science & Tech, Bangladesh
8. Mr. Abdul Rahim bin Omar, Universiti Teknologi Karung Berkuuci, Malaysia
9. Mr. Zuhairi Ibrahim, Universiti Teknologi Karung Berkuuci, Malaysia
10. Mr. M. Mathuthu, University of Zimbabwe, Zimbabwe
11. Mr. T. E. Makuvatsine, University of Zimbabwe, Zimbabwe
12. Mr. Paul Baki, Department of Physics, University of Nairobi, Kenya
13. Mr. Alaiyi G. Warmale, Department of Physics, Rivers State University of S & T, Nigeria
14. Mr. Mathews A. Alabraba, Department of Physics, Rivers State University of S & T, Nigeria
15. Dr. Kingsley D. Atagoa, Department of Physics, Rivers State University of S & T, Nigeria
16. Dr. F.E. Opara, Department of Physics, Rivers State University of S & T, Nigeria

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