Appendix I : Preliminary Summer School Program

- Basic Principles
  - — Radio Astronomy Fundamentals *C.Thum*
  - — Interferometry and aperture synthesis *D.Downes*
  - — mm VLBI *A.Greve*
  - — Antennas *A.Greve*
  - — Receivers *B.Lazareff*
  - — Correlators *H.Wiesemeyer*
  - — LO system and signal transport *R.Lucas*

- The Plateau de Bure Interferometer
  - — Operation of the interferometer I *R.Neri*
  - — Operation of the interferometer II *R.Lucas*
- Calibration
  - — Atmospheric transmission *J.Pardo*
  - — Atmospheric phase fluctuations *M.Bremer*
  - — Bandpass Calibration *R.Lucas*
  - — Phase calibration *R.Lucas*
  - — Amplitude & Flux Calibration *A.Dutrey*
  - — A standard Calibration procedure *R.Neri & A.Dutrey*

- Image Processing & Data Analysis
  - — UV Plane analysis *R.Lucas*
  - — Imaging & Deconvolution: standard methods *S.Guilloteau*
  - — Mosaicing *F.Gueth*
  - — The short spacing problem *S.Guilloteau*
  - — Astrometry *R.Neri*

- Application of mm interferometry
  - — Using the Plateau de Bure: How and Why ? *R.Lucas*
  - — Several posters by lecturers:
    - ∗ mm VLBI *A.Greve*
    - ∗ Detection of weak sources *D.Downes, L.Loinard*
    - ∗ Mapping CO on Mars *R.Moreno, S.Guilloteau*
    - ∗ Mosaicing & short spacing *F.Gueth*
    - ∗ Surveys & snapshots *A.Dutrey, E.Dartois*
    - ∗ Atmospheric phase correction *M.Bremer, R.Lucas, R.Neri*
    - ∗ Absorption in front of quasars *R.Lucas*
    - ∗ Holography *R.Lucas, D.Morris, B.Lazareff*
    - ∗ Deconvolution techniques *F.Boone, F.Viallefond, S.Guilloteau*

- Optical interferometry
  - — Introduction to optical interferometry *F.Malbet*
  - — Data reduction, examples... *F.Malbet*
  - — Panel Discussion: mm versus optical *All*

- The future of mm/submm interferometry: ALMA *S.Guilloteau*