- Final version of Technical and Administrative Design Report for the European XFEL Facility to be completed by mid 2006 (overall responsibility M. Altarelli)
- **First draft containing the accelerator & infrastructure parts** *(see below)* **of the TDR to be completed by end 2005**
- Plan is to have an "accelerator review workshop" with STI in March 2006
- The report will be written in **MS Word**

Time until end of 2005 is very short – we can only succeed if we approach the task in a well organized fashion and with a lot of good will from everybody involved!

An editing team has been formed which will pull the individual contributions together and put then in a coherent form – not to write everything themselves!

- – R. Brinkmann (general responsibility for acc chapter)
- – H. Weise (Linac)
- – W. Decking (acc subsystems)
- – A. Schwarz (infrastructure, civil, etc.)
- – T. Tschentscher (those parts of undulator/photon issues which need to be included already in the 1st draft)
- – J. Roßbach (TTF/VUVFEL acc part)
- – R. Wichmann (cost)

Winni Decking

4. Accelerator Complex (general responsibility RB)

4.1 Overview (~4 pages) (RB)

(layout & parameters, operational flexibility, options)

4.2 Superconducting Linac (~35 pages) (HW)

(cavities, modules incl. all components, test facility, vacuum system, RF system, LLRF)

4.3 Injector (WD) (~6 pages)   Klaus

(layout, gun/laser, beam line, beam dynamics, PITZ results either here or in VUVFEL chapter)

4.4 Bunch Compressor (WD) (~6 pages) `   Torsten

(concept/layout incl. 3rd harm., beam optics + dynamics, tolerances)

4.5 Electron Beam Lines (WD) (~12pages)

post-linac collimation	(2 pages)	Nina & Vladimir
beam distribution, beam optics	(2 pages)	Winni
diagnostic	(3 pages)	Dirk, Holger
stabilization/feedback	(2 pages)	Volker
vacuum system	(2 pages)	Mike
magnets	(1 page)	Bernie
beam dump	(2 pages)	Michael

- Mid 2006   TADR finished
- March 2006   Accelerator Review Workshop
- End 2005   First Draft Accelerator Chapter of TADR
- End 11/2005   Subchapters to Winni

Winni Decking