

SYMPOSIUM ON THE USE OF SYNCHROTRON RADIATION

Monday, March 15th 2004

Austrian Academy of Sciences, Theatersaal, Sonnenfelsgasse 19, 1010 Wien

10:00 **H. Mang**, President of the Austrian Academy of Sciences
Opening

Scientific Programme

10:15 **W.G. Stirling**
The European Synchrotron Radiation Facility: Overview and Examples of Research on Materials Science (WGS)

10:45 **F. Sette**
Scientific Opportunities and Future Perspectives at the ESRF

11:15 Coffee break

11:30 **P. Fratzl**
Deformation Mechanisms in Wood and Collagen Studied by in-situ Synchrotron Diffraction

12:00 **Ch. Kratky**
Structural Biology with Synchrotron Radiation

12:30 Lunch break

13:15 **G. Vogl / L. Stadler**
Dynamics in Hard-condensed Matter Studied with Coherent X-rays

13:45 **P. Wobrauschek / C. Strelt**
Synchrotron Radiation Induced μ -X-ray Fluorescence Analysis: Distribution of Pb and other Trace Elements in Human Bone and Brain

14:15 **P. Laggner / H. Amenitsch**
The Austrian Synchrotron Activities at Elettra. Record and Perspectives

14:45 Coffee break

15:00 **A. Pyzalla**
Optimisation of Material Microstructure and Component Properties Using Synchrotron Radiation

15:30 **F. Netzer**
Synchrotron Radiation Applied to the Study of Oxide Nanostructures

16:00 **G. Bauer / J. Stangl**
Investigation of Semiconductor Nanostructures by X-ray Diffraction Techniques

16:30 **K. Djinovic-Carugo**
Pushing the Limits for Softer PX at Elettra

17:00 End