

## Dr. Thorsten Weber (Diploma Physicist)

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### Characteristics: The most important facts at a glance...

#### Studies:

- physics: main focus on many particle dynamics and imaging systems (experimental atomic and molecular physics at the university of Frankfurt and the UC-Berkeley)
- subsidiary subject: electronics and physical chemistry
- operation and surveillance of accelerator machines
- supervision of advanced trainees in internships
- supervision of 6 Diploma and 5 PhD students
- set-up and surveillance of position sensitive detectors in cooperation with the RoentDek company
- international projects at universities, research laboratories and accelerator machines

#### Scholarships and Awards:

- scholarship on the basis of the Hessian law for the promotion of procreation scientists (2 years)
- Feodor-Lynen-award of the Alexander von Humboldt foundation for autonomous research abroad (2 years)
- grant for the formation of a young investigator group at DESY/Hamburg in collaboration with the University of Frankfurt/Germany sponsored by the Helmholtz foundation 2005 (5 years)
- Conrad-Wilhelm Röntgen Prize of the Justus Liebig University Giessen/Germany 2005

#### Employment history:

- (1999-2003) employment as research associate at the J.W. Goethe-University Frankfurt a.M./Germany
- (2003-2005) Feodor-Lynen-grant of the Alexander von Humboldt foundation for research at the Lawrence Berkeley Nat. Lab./USA
- (2005-2006) leader of a Helmholtz Young investigator group at the DESY/Hamburg in collaboration with the Institut für Kernphysik/University Frankfurt
- (2006-today) Divisional Fellow of the Chemical Sciences Division of the Lawrence Berkeley Nat. Lab./USA. Group leader at the recently established Ultrafast X-ray Science Lab

#### Business acumen:

- effective
- aim to success
- ability to remain capable of acting in a fast changing surrounding

#### Hobbies:

- myth 'Harley Davidson' (Ride & Customize)
- basketball
- winter sports
- endurance training

#### Fellowships:

- German Physical Society (DPG)
- paramedic of the SEG des Malteser Hilfsdienst (triage, medical care, transport)

#### Methodological skills:

- learning aptitude
- analyze abilities
- creativity
- commitment
- global mobility

#### Social skills:

- adaptability
- integrity
- team player
- ability to communicate

#### Specialized Knowledge:

- imaging systems
- fast electronic readout
- experimental many particle dynamics
- position sensitive detector techniques
- design, simulation, engineering, set-up and accomplishment
- data analysis (multi parameter list mode files)
- cryogenetic and vacuum technique
- project manager and team player
- internationally experienced in project work and presentation

#### Publications:

- 50 articles in papers and books
- 30 conference proceedings

#### Current occupation:

- Design, set-up and accomplishment of experiments in many particle dynamics and molecular physics
- design, engineering and set-up of a new imaging apparatus (in cooperation with the RoentDek company)
- publication of scientific results
- supervision of Diploma and PhD projects

#### International experience:

- 14 months in 26 projects (Europe, Asia, USA, South America)
- 2 years of continuously work at the UC Berkeley

#### Colleagues appreciate my:

- commitment, creativity and my focus on the project
- talent for improvisation and organization
- permanent search for the insight and overview
- autonomy, tolerance, and amenability

#### Career expectations:

- research and development of industrial products
- launch visions for the technological future
- consulting, design, operation, and optimization
- investment and personal responsibilities
- multidisciplinary and international team work

#### Business expectations:

- innovative
- international active/competitive/leading-edge
- chance for career advancement and further education
- professional working environment
- production of high technology products