



**4TH INTERNATIONAL ARTHUR - BORNSTEIN - WORKSHOP
ON MEDICAL ASPECTS OF HYPERBARIC TUNNELING**

“DIGGIN’ EVER DEEPER - WORLDWIDE“

**FOCUS ON CHINA: MEET THE EXPERTS
ON VERY DEEP HYPERBARIC TUNNELING**

**MARCH 10, 2012, 10 AM - 5 PM
AT THE HAMBURG MUSEUM OF WORK**

**IN CONNECTION WITH THE TUNNEL EXHIBITION
“100 YEARS OLD ELBE RIVER TUNNEL”**



GERMAN SOCIETY OF DIVING AND HYPERBARIC MEDICINE



SPEAKERS AND THEIR AFFILIATIONS

Dr. phil. Jürgen Bönig, Curator of the Hamburg Museum of Work

Olga Bornstein-Wise, Retired Lecturer, Austin, Texas, USA

Edwin Ching, Chief Resident Engineer – AECOM, Hong Kong

Dr. med. Karl P. Faesecke, Hyperbaric Medical Consultant, Member of the Board of „Gesellschaft für Tauch- und Überdruckmedizin“

Torsten Haux, President of Haux Life Support

Andreas Fischer, Germanischer Lloyd, Hamburg

Karsten Grimm, Dipl.-Ing., BilfingerBerger, Hamburg

Paddy Reijnders, IHC Hytech, Ramsdonkveer, NL

Claus Mayer, Managing Director of Nordseetaucher GmbH

Prof. Wouter Sterk, MD, PhD, Director Dadcodat, NL

T.P. van Rees Vellinga, MD, Dir. Medisch Centrum Hyperbare Zuurstoftherapie, Adm.de Ruyter Ziekenhuis, Goes, NL

Piers Verman, Project Manager - Lai Chi Kok Drainage Tunnel, Hong Kong, Leighton Contractors (Asia) Limited

LIST OF PRESENTATIONS

Karl P. Faesecke	<i>Opening Remarks</i>
Jürgen Bönig	<i>100 Years of Tunneling in Hamburg</i>
Olga Bornstein-Wise	<i>My Grandfather Arthur Bornstein</i>
Andreas Fischer	<i>Rules and Guidelines for Chamber Systems in Tunneling</i>
Karsten Grimm	<i>ESCSO Portland: C.A.W. in Greater Depths</i>
Claus Mayer	<i>Current Practice in Deep and Very Deep Hyperbaric Tunneling</i>

LUNCH BREAK

Piers Verman	<i>Hong Kong – Beyond the Regulations</i>
Torsten Haux	<i>Custom-made Hardware for Hyperbaric Tunnel Construction</i>
Paddy Reijnders	<i>Transfer Shuttles and Medical Chambers for Compressed Gas Workers</i>
Wouter Sterk	<i>The Use of Gas Mixtures during Deep Caisson and Tunnel Work</i>
T.P. van Rees Vellinga	<i>Practical Experience with Trimix-Saturation in Hyperbaric Tunneling</i>
Edwin Ching	<i>Closing Remarks</i>



DR. MED. ARTHUR BORNSTEIN AT THE TIME OF THE TUNNEL CONSTRUCTION

SOCIAL PROGRAM

Friday, March 9

- 3 pm** Guided bus tour through the port's largest container terminals; departure from hotel "Hafen Hamburg"
- 6 pm** Arrival at south entrance of tunnel,
Walk through the Old Elbe Tunnel (450 m)
- 7 pm** à la carte dinner at hotel restaurant

Saturday, March 10

- 5 pm** Guided tour of tunnel exhibition at the Museum of Work
- 7 pm** Dinner at Museum restaurant "TRUDE"

Sunday, March 11

ad libitum, e.g. harbor cruise by boat (organized if demanded)
or early-morning fish-market

FRONT PICTURE:

CUTTING WHEEL "**TRUDE**" OF 4TH TUBE ELBETUNNEL (1997 - 2000)
ON PERMANENT VERTICAL DISPLAY AT THE HAMBURG MUSEUM OF WORK