## Bühlmann Memorial Symposium 2019

# High Altitude Decompression Research and Diving Tables







by Beat A. Mueller, MSc. Mech. Eng. ETH

### Bühlmann Memorial Symposium 2019



#### **Table of Content**

- A tribute to Prof. Bühlmann
- About the Model behind
- High Altitude Diving Trials of the Swiss Army 1969 (→ tables of 1973/76)
- The `86 Air Diving Tables
- Tools and Technical Support behind
- Lake Titicaca Trials (1987)
- Lago di Lucendro Trials (1984-88)
- Muttsee Trials (1988)
- Dives at Mount Kenia (1988)
- Practical Applications and special Environments
- Results and consequences
- Appendices (not showed during presentation, but included in full ppt- and pdf-Version)

## Bühlmann Memorial Symposium 2019





## **Appendices (not shown)**

Prog	ram and	d Facu	Ity Mem	ibers	of the
Sym	posium	2019			

References

Further Publications

 The Deep Diving Research Laboratory of the University Hospital of Zurich (DKL)

Early Deep Diving Trials

Perfusion- and Diffusion based models

The Linear Perfusion Models ZHL-12/16

Parametric NDL calculations today

Parameters for Bühlmann `86 Air Diving
Tables and later developments

Results and consequences (details)

 Barometric Pressure as a function of Altitude

Deco Brain Trials

Decompression Problems in Space

About the Author

(4 frames)

(4 frames)

(3 frames)

(15 frames)

(6 frames)

(6 frames)

(8 frames)

(6 frames)

(3 frames)

(9 frames)

(2 frames)

(9 frames)

(6 frames)

(3 frames)