

Scientific Program – Congress Overview

Day Time	Wednesday 23 rd of September 2009	Thursday 24 th of September 2009	Friday 25 th of September 2009	Saturday 26 th of September 2009
08:15 09:00	-	Welcome (Rees, S. & Friesdorf, W.) Opening Lecture (Tecklenburg, A.)	-	-
09:00 10:30	-	Clinical Monitoring & Computerized Record Keeping (Rehman, M. & STA organized)	Safe Patient Medication in ER, OR and ICU (Friesdorf, W.)	Transfer to Potsdam, Welcome & Introduction (Dollman, M.)
10:30 11:00	-	<i>Coffee Break</i>	<i>Coffee Break</i>	ESCTAIC Workshops in Parallel: ER: Process-oriented and System Ergonomic ER Architectural Design OR: Assessing the Ergonomics of an Optical Indirect Laryngoscope
11:00 12:30	-	Clinical Problems & Modeling Solutions (Rees, S. & Matousek, S.)	Predicting Haemodynamics & Drug Effects (Bibian, S. & SFIMAR organized)	
12:30 13:30	-	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>
13:30 15:00	ESCTAIC Tutorial: What Web-Tools Can Do for You (O'Connor, F. & van Schagen, N.)	Mechanical Ventilation & Ventilator Associated Pneumonia (Gurman, G.)	Free Paper Sessions in Parallel: Innovative Solutions (S1: Dellerholm, A. & S2: Rees, S.)	Result Presentation, Conclusion & Discussion Fuchs, D.; Glende, S. & Podtschaske, B.
15:00 15:30		<i>Coffee Break</i>	<i>Coffee Break</i>	Joint Sightseeing Tour in Potsdam
15:30 17:00		Data – Information – Knowledge: The Way Up in the ICU? (Koller, W.)	User-oriented Computing Solutions for the ER, OR & ICU (Marsolek, I.)	
Evening Program	Get Together <i>(not covered by the congress registration)</i>	Get Together <i>(covered by the congress registration)</i>	General Assembly & Dinner <i>(covered by the congress registration)</i>	Get Together <i>(not covered by the congress registration)</i>



Scientific Program – Wednesday, 23rd of September 2009

13:30 - 17:00 ESCTAIC Tutorial:

What Web-Tools Can Do for You

Coach: O'Connor, F. & van Schagen, N.

Prior registration required.

Additional registration fees apply:

	before 15 th of June 2009	after 15 th of June 2009
ESCTAIC members:	70 Euro / person	80 Euro / person
Non members:	90 Euro / person	100 Euro / person

18:30 - 22:00 Get Together at "Amico" – an Italian Restaurant Near the Congress
(not covered by the congress registration)



Scientific Program – Thursday, 24th of September 2009 (Part 1/2)

08:15 - 08:30 Welcome & Conference Opening
 Friesdorf, W. & Rees, S.

08:30 - 9:00 20 Years of Information Systems in Anaesthesia and Intensive Care as Seen from the Management
 Tecklenburg, A.

09:00 - 10:30 Clinical Monitoring & Computerized Record Keeping
 Moderator: Rehman, M.

New Technologies on the Horizon	O'Reilly, M.
Structured Medical Documentation in the OR	Heinlein, M.
Anaesthesia Information Systems	Rehman, M.

10:30 - 11:00 Coffee Break

11:00 - 12:30 Clinical Problems & Modeling Solutions in Interpretation of Acid-base and Electrolyte Status
 Moderator: Rees, S. & Matousek, S.

Current Clinical Problems in Interpreting Electrolytes, Acid-base and Metabolites	Bunker, N.
Mathematical Modeling of Acid-base and Electrolytes – The Modern and the Traditional	Matousek, S.
Mathematical Modeling of Acid-base – Back to First Principles: Ion Equilibrium Theory	Wooten, W.
Clinical Application of Acid-base Models, Calculation of Arterial Acid-base Status from Peripheral Venous Blood	Rees, S.
Educational Application of Electrolyte, Acid-base and Metabolite Models – Simulation Based Text Books	Kofranek, J.

12:30 - 13:30 Lunch Break



Scientific Program – Thursday, 24th of September 2009 (Part 2/2)

13:30 - 15:00 Mechanical Ventilation and Ventilator Associated Pneumonia

Moderator: Gurman, G.

Ventilator Associated Pneumonia – An Update	Gurman, G.
Complications of Mechanical Ventilation with a Special Emphasis on Ventilator Associated Pneumonia	Antonelli, M.
The Current Technologies and Solutions for Preventing Ventilator Associated Pneumonia	Hockey, P.
The ANAPNOGUARD – A New Comprehensive Solution for Preventing Ventilator Associated Pneumonia	Efrati, S.

15:00 - 15:30 Coffee Break

15:30 - 17:00 Data – Information – Knowledge: The Way Up in the ICU?

Moderator: Koller, W.

Everyday Clinical Challenges	Koller, W.
Collecting Data – Making Information: Vendor's Major Problems in Implementing a PDMS in the ICU	Wagner, C.
Personal Use of Information: Using a Smart Phone as a Remote Control for Anesthesia and ICU	Lanza, V.
Using Information – Making Knowledge Available: Building Up an IT-Based Knowledge-Management-System for Industry	Bornemann, M.

18:00 - 22:00 Get Together in the medilab V

(covered by the congress registration)



Scientific Program – Friday, 25th of September 2009 (Part 1/2)

09:00 - 10:30 Safe Patient Medication in ER, OR and ICU

Moderator: Friesdorf, W.

Personal and Technical Aspects of a Safe Patient Medication	Pappert, D.
Analysing the Requirements for a Computer Based Optimization of the Medication Process	Fuchs, D.
RFID and Smart Object Networks to Support Safe Patient Medication and Transfusion	Sedlmayr, M.
A Retrofittable Anesthesia Agent Alarm	Shang, A.B.

10:30 - 11:00 Coffee Break

11:00 - 12:30 Predicting Haemodynamics & Drug Effects

Moderator: Bibian, S.

Comparing the Predictability of BIS, Entropy and NeuroSENSE During Anesthesia Induction	Bibian, S.
Can We Estimate the Influence of Remifentanyl at Loss of Consciousness?	Clément, F.
Predicting the Index of Unconsciousness Using Datamining	Cailloux, O.
Predicting Haemodynamics of Painful Events Using Datamining	Miranda, A.

12:30 - 13:30 Lunch Break

13:30 - 15:00 Free Paper Sessions in Parallel: Innovative Solutions

Session 1: Innovative Solutions for Anaesthesia & Surgery

Moderator: Dellerholm, A.

Regional Anaesthesia in Virtual Environments	Ullrich, S.
A Multifunctional Endoscopic Platform with Detachable Probe	Dai, C.-Y.
Effect Site Sevoflurane Levels for Airway Manipulations During Rapid Wash-In	Kennedy, R.
Comparison of Perfusion Index, T-Wave Amplitude and Heart Rate as an Indicator for Intravascular Injection of Epinephrine-Containing Test Dose in Anaesthetized Adults	Huh, J.
Carbon Coated Two Dimensional Laser Beam Barcode Engraving on Metal Surgical Tools Showed Better Endurance against Scratching Lesions	Morita, K.



Scientific Program – Friday, 25th of September 2009 (Part 2/2)

13:30 - 15:00 Free Paper Sessions in Parallel: Innovative Solutions

Session 2: Innovative Solutions for the Pre- & Post-Surgical Patient Treatment
 Moderator: Rees, S.

The Impact of an Electronic Reminder on the Administration of Pre-Operative Prophylactic Antibiotics	Eden, A.
Design & Implementation of PCA Dosage Information Generator	Kuo, I.-T.
Web-Based Electronic Data Collection System to Support Patient-Controlled Analgesia	Kuo, I.-T.
Joint State and Parameter Estimation of an Ordinary Differential Equation Model of the Cardiovascular System from Simulated Monitoring Data Using Particle Filters	Zenker, S.
INVENT – A Decision Support System for Managing Inspired Oxygen – Prospective Evaluation in an Intensive Care Unit	Karbing D.S.

15:00 - 15:30 Coffee Break

15:30 - 17:00 User-oriented Computing Solutions for the ER, OR and ICU
 Moderator: Marsolek, I.

Sustainable Information of ICU Patient Family Members	Dollman, M.
Open Source Software in Health Information Technology	Serrierre, F.
A Web-Based Knowledge Database for SOPs	Gerber, D.
Ergonomic Strategies to Avoid Classical Implementation Failures	Sander, H.

17:00 - 18:30 ESCTAIC Annual General Assembly

19:00 - 22:00 Congress Dinner at a Typical “Berliner Restaurant”
(covered by the congress registration)



Scientific Program – Saturday, 26th of September 2009

09:00 - 10:30 Transfer to Potsdam, Welcome & Introduction
Dollman, M.

10:30 - 12:30 ESCTAIC Workshops in Parallel:

ER: Process-oriented and System Ergonomic ER Architectural Design

Moderator: Fuchs, D. & Baschin, A.

OR: Assessing the Ergonomics of an Optical Indirect Laryngoscope

Moderator: Dellerholm, A.; Glende, S.; Koch, M. & Panek, D.

12:30 - 13:30 Lunch Break

13:30 - 15:00 Result Presentation, Conclusion & Discussion

Fuchs, D.; Glende, S. & Podtschaske, B.

15:00 - 17:00 Joint Sightseeing Tour in Potsdam

17:00 - 20:00 Get Together in a Traditional "Potsdamer Kneipe"

(not covered by the congress registration)