



... k_La MEASURING METHODS

k_La is an important parameter for efficient bioreactor design. What's new about the ZETA measuring method and what is the benefit thereof? Take part at the ZETA pop-up lecture about the new measuring method presented by **Alexander Lausecker** and revolutionize your bioreactor design.

Alexander Lausecker, Head of Sales, Sales Area East
P: +43 (664) 808 528 400
alexander.lausecker@zeta.com



... SUCCESSFUL ENGINEERING: ZETA SOLUTION PATH

The earlier you know the hubs on your process design the better you manage the industrial scale-up! From lab to phase IV - ZETA experts support you along the entire product development process with first-in-class engineering services! Don't miss the pop-up lecture of **Sushaant Bakhr** revealing insights on the ZETA Solution Path!

Sushaant Bakhr, Head of Sales, South East Asia,
P: +43 (664) 808 528 408
sushaant.bakhr@zeta.com



... HYBRID SOLUTION: SINGLE-USE/STAINLESS STEEL

The decision for single-use or stainless steel equipment is not anymore an either-or decision. Plant engineers more and more use hybrid technologies. ZETA realized the integration of single-use bioreactors into an existing stainless steel plant including an automation concept based on PCS7. For more information, don't miss **Hans-Jörg Fürpass'** lecture.

Hans-Jörg Fürpass
Process Engineer & Project Development
P: +43 (664) 808 528 309
hansjoerg.fuerpass@zeta.com



MAGNETIC MIXING TECHNOLOGY

The ZETA magnetic agitators represent a quantum leap in mixing technology: mixing in aseptic production processes is now possible in volumes up to 30,000 L. Product manager **Nicole Zangl** highlights the ZETA agitator portfolio in her pop-up lecture. Take the chance and get familiar with your options to improve your mixing performance.

Nicole Zangl
Product Manager Mixing Technology and Products
P: +43 (664) 808 528 401
nicole.zangl@zeta.com



... EFFICIENT AUTOMATION

Plant engineering is moving in the direction of industry 4.0. The ZETA automation team is specialized in the modular automation for pharma manufacturing. Speaker **Tobias Heim** outlines, how the know-how for automation and for the process are efficiently combined and how a vertical system integration into an available software environment is realized.

Tobias Heim
Head of Sales Automation
P: +49 (151) 55051066
tobias.heim@zeta.com



... FREEZE & THAW SERVICES

A usual pharmaceutical production work flow includes steps of storage and transport, which require a controllable freeze & thaw process. But how to avoid protein damage and loss of activity? Listen to **Manfred Seifert's** recommendations during her pop-up lecture about ZETA's freeze and thaw services!

Manfred Seifert
Head of Sales, Sales Area West
P: +49 (0) 172 73 50 948
manfred.seifert@zeta.com



... VIRTUAL TOUR: FAST TRACK PROJECT EXECUTION

Don't miss taking part at the virtual tour through a realized fast-track-project made by ZETA! What's the driving force behind the successful approach? With the professional guidance of **Christian Kautz** you will experience, how a scale up from 50 to 22,000 liters was realized in only 22 months.

Christian Kautz
Head of Sales, Northern Europe
P: +49 (160) 905 846 36
christian.kautz@zeta.com

HOT SPOTS
BOOTH D 10 | HALL 9.1

WE WARMLY WELCOME YOU AT THE ZETA BOOTH!

In order to assist you in making most out of your visit at our booth, we refer to our time schedule for pop-up lectures. Get informed about the topic of your interest in short lectures and learn about recent developments at ZETA from first hand. After a 10 minutes presentation the ZETA experts shall be pleased to answer you questions.

| Time | MONDAY 11. June 2018 | TUESDAY 12. June 2018 | WEDNESDAY 13. June 2018 | THURSDAY 14. June 2018 | FRIDAY 15. June 2018 |
|---------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 09:00 – 09:15 | MORNING COFFEE | MORNING COFFEE | MORNING COFFEE | MORNING COFFEE | MORNING COFFEE |
| 09:15 – 09:30 | POP UP LECTURES Magnetic Mixing Technology by Nicole Zangl | POP UP LECTURES k _L a measuring methods by Alexander Lausecker | POP UP LECTURES Hybrid Solution: Single Use/ Stainless Steel by Hans-Jörg Fürpass | POP UP LECTURES Successful Engineering: ZETA Solution Path by Sushaant Bakhr | POP UP LECTURES Magnetic Mixing Technology by Nicole Zangl |
| 09:30 – 09:45 | | | | | |
| 09:45 – 10:00 | POP UP LECTURES Hybrid Solution: Single Use/ Stainless Steel by Hans-Jörg Fürpass | POP UP LECTURES Successful Engineering: ZETA Solution Path by Sushaant Bakhr | 360° VIRTUAL TOUR Fast Track Project Execution by Christian Kautz | POP UP LECTURES Efficient Automation by Tobias Heim | POP UP LECTURES Hybrid Solution: Single Use/ Stainless Steel by Hans-Jörg Fürpass |
| 10:00 – 10:30 | | | | | |
| 10:30 – 11:00 | | | MEET OUR SALES PARTNER Jens Juhl Eskildsen Nordic Engineering ApS | | POP UP LECTURES Efficient Automation by Tobias Heim |
| 11:00 – 11:30 | | | | | |
| 11:30 – 12:00 | JOURNALIST BREAKFAST | MEET OUR SALES PARTNER Alper Kesim IDL Technological | MEET OUR SALES PARTNER Pablo Gibert IGE Ingenieros sl | | POP UP LECTURES Successful Engineering: ZETA Solution Path by Sushaant Bakhr |
| 13:00 – 13:30 | | | | | |
| 13:30 – 14:00 | | MEET OUR SALES PARTNER Kang Synn Hee Xact Engineering | MEET OUR SALES PARTNER Aldo Xhango QS Gruppe | | 360° VIRTUAL TOUR Fast Track Project Execution by Christian Kautz |
| 14:00 – 14:30 | | | | | |
| 14:30 – 15:00 | | | | | POP UP LECTURES k _L a measuring methods by Alexander Lausecker |
| 15:00 – 15:30 | | | | | |
| 15:30 – 16:00 | COFFEE & CAKE | COFFEE & CAKE | COFFEE & CAKE | COFFEE & CAKE | COFFEE & CAKE |
| 16:00 – 16:15 | | | | | |
| 16:15 – 16:30 | POP UP LECTURES k _L a measuring methods by Alexander Lausecker | POP UP LECTURES Freeze & Thaw Services by Manfred Seifert | POP UP LECTURES Magnetic Mixing Technology by Nicole Zangl | POP UP LECTURES k _L a measuring methods by Alexander Lausecker | |
| 16:30 – 16:45 | | | | | CHILLOUT LOUNGE |
| 16:45 – 17:00 | 360° VIRTUAL TOUR Fast Track Project Execution by Christian Kautz | POP UP LECTURES Efficient Automation by Tobias Heim | POP UP LECTURES Freeze & Thaw Services by Manfred Seifert | 360° VIRTUAL TOUR Fast Track Project Execution by Christian Kautz | |
| 17:00 – 17:30 | CHILLOUT LOUNGE | CHILLOUT LOUNGE | CHILLOUT LOUNGE | CHILLOUT LOUNGE | |