

SRRT



ICCCS 2012⁺

INTERNATIONAL SYMPOSIUM ON
CONTAMINATION CONTROL

ZURICH, SEPTEMBER 3 – 7

Please visit our website for updated information
www.ICCCS2012.ethz.ch

Second Announcement and Call for Papers

Clean Technologies – What is the Future?



ICCCS 2012 Web Site:
www.ICCCS2012.ethz.ch



Zurich, Switzerland
September 3 - 7, 2012
Swiss Federal Institute of Technology ETH Zürich
www.ICCCS2012.ethz.ch



Invitation to **ICCCS** 2012⁺

Chairman's Welcome



It is a great honor for the Swiss Society of Contamination Control, SRRT, to host the 21st International Symposium on Contamination Control, ICCCS 2012, at the ETH, the reputable Swiss Federal Institute of Technology in Zurich, Switzerland.

Zurich has been the city where the International Confederation of Contamination Control Societies, ICCCS, was founded in 1972 and the first international meeting was held. In 1990 Switzerland hosted the 10th International Symposium and 22 years later, in 2012, we are proud to invite again to Zurich to meet at the ETH for a productive exchange of vast experience, know-how, and to enjoy friendship throughout all the participating countries.

Latest advances in cleanroom technology, control of particulate and molecular contamination, as well as new fascinating applications, such as nanotechnology or micro-electro-mechanical systems, are challenges of the future. Innovative approaches, applications, and ideas, as well as technology to reduce the risk of accidents will be discussed at the symposium.

We invite you to get together at the 21st ICCCS Symposium in the wonderful City of Zurich. An attractive partner program, visits to interesting companies, exhibitions, and a banquet will accompany the visionary technical program. Outstanding keynote speakers will present their view on advanced subjects and future trends. In addition, many working groups and committees will hold their meetings during the Symposium week.

On behalf of the SRRT and of the whole organizing committee we welcome you to Zurich and are looking forward to seeing you at the symposium.

Sincerely,

Hans Zingre, Chairman ICCCS2012,
President SRRT

Professor Jérôme Faist, ETH Host,
Quantum Optoelectronics Group,
Department of Physics, ETH Zurich

Organizers



The ICCCS 2012 is hosted by the Institute of Quantum Electronics, Department of Physics, of the ETH Zurich, Switzerland.

It is organized by SRRT, the Swiss Society for Contamination Control for ICCCS, the International Confederation of Contamination Control Societies.



Scientific and Organizing Committee

Symposium Chairman:	Hans Zingre, President SRRT	Switzerland
Members:	Arnold Brunner	Switzerland
	Egon Holländer	Switzerland
	Tobias Merseburger	Switzerland
	Norbert Otto	Germany
	Alexandra Stärk	Switzerland
	Werner Straub	Switzerland
Secretary ICCCS 2012:	Alfred Moser, Science Services	Switzerland

International Advisory Committee



Koos Agricola	Oce Technologies BV, Venlo	Netherlands
Laure Alloul-Marmor	ASPEC, Paris	France
Berthold DÜthorn	Robert Bosch GmbH, Crailsheim	Germany
David S. Ensor	RTI International, Research Triangle Park, NC	USA
Gordon J. Farquharson	Critical Systems Ltd., Surrey	United Kingdom
Alexander Y. Fedotov	Invar-project, ASENMCO, Moscow	Russia
Shuji Fujii	Tokyo Institute of Technology	Japan
Emilio Gini	ETH Zurich	Switzerland
Udo Gommel	Fraunhofer, IPA, Stuttgart	Germany
Yuguo Li	The University of Hong Kong	SAR of China
Norikazu Namiki	Kogakuin University, Tokyo	Japan
Myung-Do Oh	University of Seoul	Korea
Lene Blicher Olesen	Statens Serum Institut, Copenhagen	Denmark
Josef Ortner	Ortner Reinraumtechnik GmbH, Villach	Austria
David Y.H. Pui	University of Minnesota, Minneapolis	USA
Christian Ruef	University Hospital Zurich	Switzerland
Leonello Sabatini	Tecnico LESATEC srl, Opera	Italy
Hans H. Schicht	Contamination Control Consulting	Switzerland
Isabelle Tovenca Pecault	CEA CESTA, Le Barp	France
Da Qian Wang	CCCS International Coop Dept., Beijing	China
Jing Wang	ETH Zurich	Switzerland
Rudolf Wepfer	rw-consulting, Uster	Switzerland

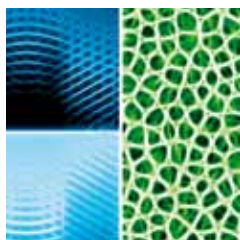
ICCCS Member Societies



Austria ORRG	Ireland ICS	Russia ASENMCO
Brazil SBCC	Italy ASCCA	Scotland S2C2
China CCCS	Japan JACA	Switzerland SRRT
Egypt ECCCS	Korea KACA	The Netherlands VCCN
France ASPEC	Nordic Countries R3 Nordic	USA IEST
Germany VDICCT	Romania RACC	

Please, find more information about the International Confederation of Contamination Control Societies, ICCCS, on its web site: <http://icccs.net/>

Call for Papers



The International Symposium will cover a variety of topics related to contamination control. All kinds of contamination will be covered: Physical (mainly particles but also others like magnetic, vibration, etc.), chemical, and biological in gases (airborne, other gases), fluids (water, chemicals), and on solid surfaces

as well as process contamination. We invite contributions in the following areas as well as in related fields, relevant to contamination control and cleanliness. The main topics of the ISCCC 2012 are:

Topic

Standardization

Research and development

Metrology, analysis, simulation

Project management, logistics, safety and environment

Engineering, energy, and systems

Inorganic industry applications

Life science industry applications

Cleaning, clean surfaces, decontamination, and services

Filtration, separative devices

Nanotechnology

Special topics

GMP: Good Manufacturing Practices
HACCP: Hazard Analysis and Critical Control Point
HAZOP: Hazard and Operability

Examples

New and revised standards (chemical and particle cleanliness of surfaces, nanotechnology) , etc.

New technology trends

New instruments and methods, monitoring, statistics

Concepts, material and waste management, regulations, methods, etc.

Equipment, automation, robotics, energy management, building technology, infrastructure, etc.

Aerospace, microelectronics, mechatronics, optics, MEMS, etc.

Pharmaceutical industry, food industry, medical devices, health care, hygiene, GMP, HACCP, HAZOP, etc.

Material compatibility, efficiency, methods, etc.

Particle-, chemical-nano filtration, minienvironments, isolators, RABS, etc.

New trends in cleanroom design

New trends and other topics related to contamination control

MEMS: Micro-Electro-Mechanical Systems
RABS: Restricted Access Barrier Systems

Please visit the ICCCS 2012 web site and go to „call for abstracts“ <http://www.icccs2012.ethz.ch/abstracts> to submit your abstract(s) before January 31, 2012. The abstract must be in English, may not include figures, tables, nor photos, and should not exceed 300 words. Guidelines for submission are on <http://www.icccs2012.ethz.ch/Registration/Guideline>.

Full papers are due by April 30, 2012.

Important Dates, Calendar



Call for papers:	September 15, 2011
Abstract submission deadline:	January 31, 2012
Announcement of acceptance:	March 1, 2012
Early registration starts:	March 1, 2012
Full paper submission deadline:	April 30, 2012
End of paper review and notification of acceptance:	June 15, 2012
Early registration deadline:	June 30, 2012
Book accommodation before:	July 1, 2012
Regular registration deadline:	August 17, 2012
Conference registration desk opens at 15:00 on	September 3, 2012



Technical Session Program

Program with technical sessions, keynote plenary lectures, and technical tours.



	September 3, 2012	September 4, 2012	September 5, 2012	September 6, 2012	September 7, 2012	September 8, 2012
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00		Registration	Keynote K2 <small>author</small>	Keynote K3: <small>author</small>	Technical Tour 1	Technical Tour 2
9:00		Break	Break	Break	Technical tour 1: IBM Lab	Technical tour 2: Will be announced
		Opening, Welcome				
10:00		Keynote K1 <small>author</small>	S10 S11 S12	S22 S23 S24		
		Break & Exhibition	Break & Exhibition	Break & Exhibition		
11:00		S1 S2 S3	S13 S14 S15	S25 S26 S27		
12:00						
13:00		Lunch Break	Lunch Break	Lunch Break		
14:00		S4 S5 S6	S16 S17 S18	Closing Session		
15:00				Close at 15:30		
16:00	Registration	Break & Exhibition	Break & Exhibition			
		S7 S8 S9	S19 S20 S21			
17:00						
18:00	Welcome Party	Exhibition	Exhibition			
19:00		Session Chair Dinner until about 22:00	Banquet Dinner until about 22:00			
20:00						

Group and Committee Meetings



Various task and working groups will hold meetings during the ICCCS 2012. Chairmen of such groups are invited to coordinate their meetings with Werner Straub of the ICCCS 2012 Organizing Committee. Confirmed meetings will be announced on this web page: <http://www.iccscs2012.ethz.ch/groups>.

Tentative program with time slots allocated for group and committee meetings.

	September 3, 2012	September 4, 2012	September 5, 2012	September 6, 2012	September 7, 2012	September 8, 2012
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00		Registration				
9:00		Break		Group Meeting	Group Meeting	Group Meeting
		Opening, Welcome				
10:00	VDI Fachausschuss Reinraumtechnik (FA RRT)			Break & Exhibition	Break	Break
11:00		ICEB Meeting		Group Meeting	Group Meeting	Group Meeting
12:00						
13:00		Lunch Break			Lunch Break	Lunch Break
14:00				Group Meeting	Group Meeting	Group Meeting
15:00		ICCCS COD Meeting				
16:00	Registration				Break	Break
17:00				Group Meeting	Group Meeting	Group Meeting
18:00	Welcome Party					
19:00		Session Chair Dinner	Banquet Dinner			
20:00						

Technical Tour to the *IBM Research – Zurich* Laboratories



IBM Research – Zurich is one of nine IBM research laboratories around the globe. The Zurich laboratory in Rueschlikon was established in 1956. Cutting-edge research and outstanding scientific achievements – most remarkably two Nobel Prizes – are associated with this lab. One of them for scanning tunneling microscope (Binnig, Rohrer) opened the era of nanotechnology. As the European branch of IBM Research, the mission of the *IBM Research – Zurich* lab – in addition to pursuing advanced research for tomorrow's information technology – is to be one of the premier places to work for world-class researchers and to help drive Europe's innovation agenda. - <http://www.zurich.ibm.com/>

In 2011, a new facility for collaborative nano-scale research was opened on the campus of *IBM Research – Zurich*. The Nanotechnology Center is part of a strategic partnership in nanotechnology with ETH Zurich.

The visit at *IBM Research – Zurich* on Friday, September 7, 2012, is organized in two groups, one in the morning, the other in the early afternoon. In identical tours, the groups will visit the IBM Industry Solutions Lab. After an overview, the current research in nano technology is introduced, and a tour through different labs and/or showrooms concludes the visit. The number of participants is limited. Participation must be specified on the symposium registration. Departure time and location of shuttle bus will be communicated to registered participants.

We plan to offer a second technical tour, possibly during the other half of the day, so groups can switch. Any second technical tour will be announced later.

Sightseeing Tour for Accompanying Persons



Sightseeing tours for accompanying persons are planned for Tuesday, September 4 (old town of Zurich, chocolate manufacturing) and Wednesday, September 5, 2012 (full-day excursion to Swiss Alps). Details and cost will be announced later.

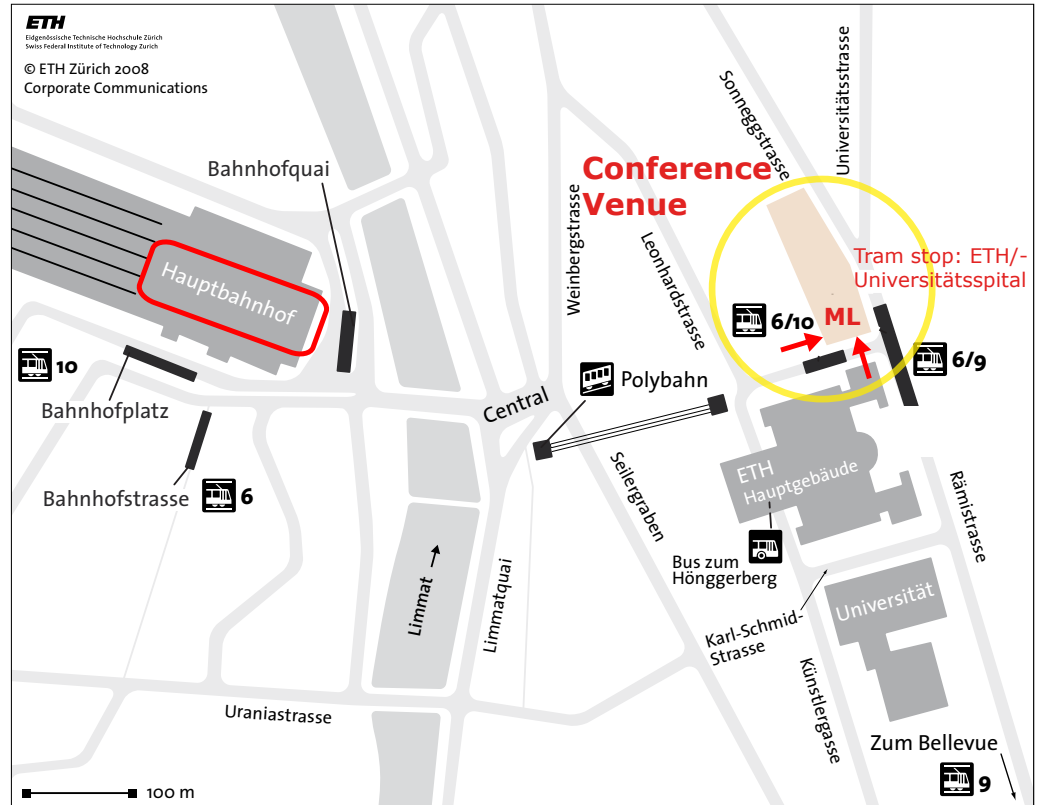
See our Webpage: www.ICCCS2012.ethz.ch

Conference Venue: ETH Zurich, Switzerland



The ICCCS 2012 will be held at the ETH in Zurich, September 3-7, 2012. The ETH is the Swiss Federal Institute of Technology, www.ethz.ch/index_EN. The symposium takes place in the Mechanical Engineering Department Building ML (Maschinenlaboratorium) in the original campus in the center of town. It is easy to get there from the main train station (Hauptbahnhof, HB) of Zurich by tram nos. 6 or 10 or by walking. Please, consult the following map:

City Map



Zurich – World Class, Swiss Made®



As a lifestyle capital on the water, Zurich offers the unique mix of discovery, pleasure, nature and culture. The finest culinary highlights, unlimited shopping pleasure, over 50 museums and more than 100 galleries, Switzerland's liveliest nightlife, numerous events and countless green oases in the center of the city tempt guests to linger and enjoy.



Please, visit the web site of Zurich Tourism to get information on sightseeing, accommodation, excursions, gastronomy, nightlife, and much more! – <http://www.zuerich.com/en/Visitor.html>

Travel Information:

www.zuerich.com/en/Meeting-Convention/Planning/Congress-Transportation.html



Symposium Registration



Registration is simple. To be able to submit an abstract, you have to open an account on the ICCCS-2012 server. This is not a conference registration, it just identifies you as an author and potential participant. For instructions, please consult the flowchart on <http://www.icccs2012.ethz.ch/Registration/Guideline>.

To make a valid conference registration, go to the Registration page and select Conference registration. At this time you must use your credit card to pay for registration. The Credit-card interface uses a secure connection. Regular registration deadline is August 17, 2012. A special early-bird discount applies before June 30, 2012.

Registration Fees



- Full participant (including banquet dinner) CHF 950
- Early bird (including Banquet dinner) CHF 850
- Student (including Banquet dinner) CHF 475
- Accompanying person (Banquet dinner) CHF 120
- Speaker (first author only, including banquet dinner) CHF 750
- Technical tour: Program and cost to be announced
- Sightseeing tour for accompanying persons: Details and cost to be announced
- Currency of Fee: CHF (Swiss Francs)

Cancellation Policy



For cancellation of a paid registration for any reason after August 5, 2012, no refund can be paid. The full registration fee is forfeited. In case of a cancellation of a paid registration on or before August 5, 2012, 50% of the amount received by the conference office (minus bank fees) will be refunded on request.

Accommodation in Zurich



Reservation and booking of hotel rooms must be done by conference attendees themselves independently of symposium registration. Payment for accommodation is settled directly with the hotel. We will publish a list of recommended hotels on the Symposium web site: www.iccscs2012.ethz.ch/travel/accommodation.

On www.zuerich.com/en/hotels/ you will find a city map with the locations of hotels, their categories (number of stars), link to Tripadvisor, and more details. Use Google to find the hotel homepage.

Sponsoring Opportunities and Exhibition



ICCCS 2012 offers a variety of sponsoring opportunities. To appear as a sponsor of the ICCCS 2012 in Zurich will bring many benefits, as your logo and your presence will attract the attention of many key persons active in your very field of specialization.

Your benefits: You will reach specialists, developers, or end users in the field of your products and services, - a group of potential customers important to your marketing concept!

Your contribution: As a commercial sponsor you can choose among three sponsoring categories. The cost and advertising options are explained in the Sponsoring Checklist, which may be downloaded from www.iccscs2012.ethz.ch/sponsor, or you may contact Arnold Brunner <arnold.brunner@bht.ch> to discuss your intentions and preferences.

Symposium Newsletter



The Symposium secretariat will publish an electronic Newsletter at periodic intervals and when new information becomes available. Please, sign up for this Newsletter on: www.iccscs2012.ethz.ch/news/Newsletter. You can unsubscribe at any time as by instruction on each newsletter.

Supporting Partners

The ICCCS 2012 is supported by the following institutional partners:



International Confederation of Contamination Control Societies.



Swiss Society for Contamination Control



Österreichische Reinraumgesellschaft



VDI-Gesellschaft
Bauen und Gebäudetechnik



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

ETH Zurich is an institution of the Swiss Confederation dedicated to higher learning and research.

Main sponsors (AAA)



MAS-100® Air Monitoring Systems



www.CL-EX.com

Preferred sponsors (AA)



building.services.group



Sponsors (A)



Contact Information

Sponsoring opportunities:
Arnold Brunner, Finance & Controlling ICCCS 2012
Brunner Haustechnik AG – www.bht.ch
E-mail: arnold.brunner@bht.ch
Phone +41 44 874 13 00
P. O. Box, CH-8304 Wallisellen, Switzerland

SRRT

Mainaustasse 30, Postfach, CH-8034 Zürich
Tel: +41 44 388 74 24, Fax +41 44 388 71 80
info@srrt.ch, www.srrt.ch

General information:

Alfred Moser, Secretary ICCCS 2012,
Science Services – www.scienceservices.ch
E-mail: moser@scienceservices.ch
Phone: +41-76-345 6444
Moetelli Str. 63, CH-8400 Winterthur, Switzerland

ICCCS 2012 Web Site:
www.ICCCS2012.ethz.ch