

IVC-21

ICSS-17, ICN+T 2019, NanoForum 2019

July 1st-5th, 2019 • Malmö • Sweden



ECM-132-20-A-02

ECM-132-20-A-02

General Chair: Pär Omling

- 7 topical areas: Nano & ICNT+T, Thin films, Surface Science, Semiconductor materials and Devices, Vacuum technology, Materials and Life sciences, Large scale facilities
- Industrial/Sponsor Exhibition
- Short Courses
- Visit to the synchrotron MAX4 and the European Spallation Source (ESS).

Balanced financial statement with an almost zero net result.

This includes the planned payment of 40.000 SF to IUVSTA and a small negative result on the “Short Courses”.

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Around 800 persons from 41 countries and 30 companies/sponsors

Geographic distribution among the participants: Europe 64 %, Asia 23 %, North America 4 %

20% of students

668 scientific presentations: 8 Plenary talks
 85 Invited talks
 268 Oral talks
 307 Posters

Remark: Unfortunate Conference dates

-from a national perspective since the biggest Swedish political/industrial/lobbying event was the same week making it very difficult to attract Swedish Exhibitors.

-from a US perspective since it is the week when the National Day in US is celebrated.

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Prizes and awards

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IUVSTA Prize for Science: Professor Emeritus **David Phillip Woodruff**,
Department of Physics, University of Warwick, United Kingdom

Prize Lecture “Determining surface structure: why and how?”

IUVSTA Prize for Technology: Research (Emeritus) Professor **Reshef Tenne**,
Department of Materials and Interfaces, Faculty of Chemistry, Weizmann Institute of
Science, Rehovot, Israel

Prize lecture on “2D materials: Inorganic nanotubes and fullerene-like nanoparticles at
the crossroad between materials science and nanotechnology and their applications”

IUVSTA Elsevier Student Travel Award given to 10 students

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IUVSTA EBARA Award

to support innovation in environmentally friendly solutions in the area of vacuum-related science and technologies

Waqas Hassan Tanveer Research Associate at Heriot Watt University, Edinburgh, UK.

Award ceremony and prize lecture during a special IUVSTA Anniversary session

Prize lecture: The key role vacuum-based technologies are playing to improve efficiencies of novel technologies for environmental benefits

ECM-132-20-A-02



18TH INTERNATIONAL CONFERENCE ON THIN FILMS & 18TH JOINT VACUUM CONFERENCE

June 14-18, 2020 • Budapest, Hungary



ECM-132-20-A-02

<https://www.ictf-jvc.com/>

Venue: ELTE University Congress Center

Full EUR 590

PhD student EUR 350

Accompanying EUR 300

Including:

coffee breaks and lunches

admission to the Welcome Reception and to the Conference Dinner and to social programs



ECM-132-20-A-02

Number of registered colleagues 207

Plenary speakers 4

Invited speakers 16

Submitted abstracts 171

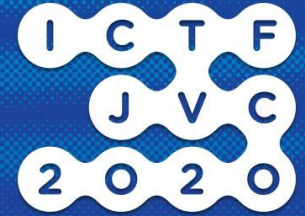
-Accepted for oral presentation 80

-Accepted for poster presentation 71

Selected papers will be published in
a special issue of Vacuum (IF: 2.5)

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ORGANIZERS

ECM-132-20-A-02

- Hungarian Vacuum Society (HVS)
- Division of Vacuum Physics, Technology and Applications of Lóránd Eötvös Physical Society
- ICTF-18 is endorsed and co-organized by the Thin Film Division of IUVSTA
- Organizer partner: AKCongress

Conference chair



Prof. József Gyulai

Conference co-chair



Dr. Béla Pécz

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SCIENTIFIC PROGRAM SCHEDULE

ECM-132-20-A-02

Sunday	Monday	Tuesday	Wednesday	Thursday
	9:00-13:00 Opening, Lectures & Coffee Breaks	9:00-13:00 Lectures & Coffee Breaks	9:00-13:00 Lectures & Coffee Breaks	9:00-13:00 Lectures & Coffee Breaks & Closing
	13:00-15:00 Lunch	13:00-15:00 Lunch	13:00-15:00 Lunch	13:00-15:00 Lunch
17:00 – Registration & Welcome Reception	15:00-18:00 Oral & Poster Sessions & Coffee Breaks	15:00 Social program 19:00 Conference dinner	15:00-18:00 Oral & Poster Sessions & Coffee Breaks	

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PLENARY SPEAKERS

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Aeschlimann, Martin:
Plasmonics at the space-time limit

Hendricks, Jay H.:
*NIST on a Chip: Photonic quantum-based measurements
for vacuum and beyond*



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PLENARY SPEAKERS

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Hultman, Lars:

Self-organized nanostructure design in functional nitride alloy films

Wágner, Tomáš:

Deposition of amorphous thin films



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Topic		Oral (including PL & IN)	Poster	Total in the Topic
Applied Surface Science	(ASS)	12	7	19
Biointerfaces	(Bio)	1	2	3
Plasma Science & Technique	(PST)	6	3	9
Surface Engineering	(SE)	6	8	14
Surface Science	(SS)	10	6	16
Thin film growth mechanism and models, new approaches	(TFgrow)	17	5	22
Thin film multilayer and superlattices	(TFmulti)	6	2	8
Semiconductor, dielectric, ferroelectric & piezoelectric thin films	(Semi)	7	4	11
Magnetic, superconducting and multiferroic thin films	(Magnet)	2	1	3
Thin films for optoelectronics, nanoelectronics, spintronics and batteries	(TFopto)	5	13	18
Thin film solar cells: inorganic, organic, perovskites etc.	(TFsolar)	1	3	4
Thin film sensors & actuators	(TFsensor)	9	4	13
Vacuum Science & Technique	(VST)	7	4	11
Electronic Materials and Processing	(EMP)	3	0	3
Nanometer Structures	(NS)	8	9	17
Total submitted		100	71	171

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<https://www.ictf-jvc.com/>

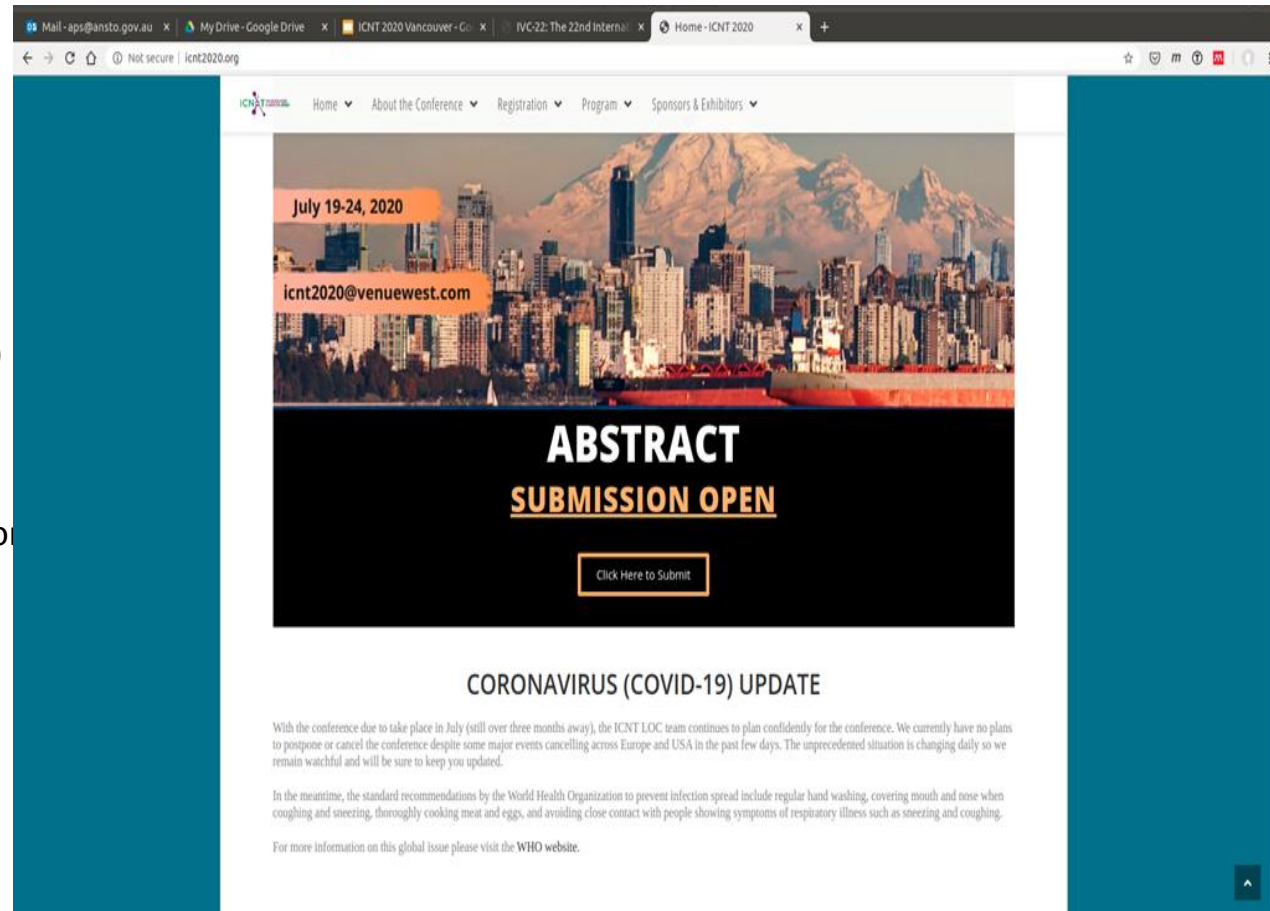
**Deadline of abstract submission and early bird
payment
postponed to 15 April, 2020.**



ICN+T July 19-24 2020 Vancouver

<http://icnt2020.org/>

- Speaker list
- Abstracts still open
- Sponsors and exhibitors open
- Conference timetable overview
- Confirmed speaker list (20 speakers)
- Venue: Hyatt Regency Vancouver
 - Accommodation code available
- Registration not yet available
 - Working with venue to postpone meeting



“The only update we can really give at the moment is “stay tuned””

Sarah Burke and Sander Otte, co-chairs



ECM-132-20-A-02

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Conference Chair: Professor Ludger WIRTZ,

Department of Physics and Materials Science, University of Luxembourg



CONFIRMED PLENARY SPEAKERS



Prof. Eva Y. ANDREI

RUTGERS University, USA



Prof. Bjørk HAMMER

Aarhus University, DK



Prof. Ulrich HÖFER

Universität Marburg, DE



Prof. Karina MORGENSTERN

Ruhr-University Bochum, DE



Prof. Alec M. WODTKE

University of Göttingen, DE

12 confirmed invited speakers. Parity almost respected !



ECM-132-20-A-02

ECM-132-20-A-02

	Sunday 23/08	Monday 24/08	Tuesday 25/08	Wednesday 26/08	Thursday 27/08	Friday 28/08
8:30 AM		ECOSS registration				
9:00 AM			Plenary 2	Plenary 3	Plenary 4	Plenary 5
10:00 AM		Plenary 1	Scientific program	Scientific program	Scientific program	Scientific program
11:00 AM		Scientific program				
12:00 PM		Lunch	Lunch	Lunch	Lunch	Lunch
2:00 PM		Scientific program	Scientific program	Scientific program	Scientific program	Scientific program
4:00 PM	Welcome Reception			Bus shuttles		
6:00 PM						
7:00 PM				Gala Dinner Cruise		
11:00 PM			Bus shuttles			



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ECM-132-20-A-02

Call for abstracts for talks/posters: February 16, 2020

Registration is opened!

Deadlines for:

Abstract submission:	March 31, 2020
Notification of abstract acceptance:	May 10, 2020
Application for grants/prizes:	June 1, 2020
Early bird registration:	June 7, 2020
Regular registration:	July 31, 2020



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FULL CONGRESS REGISTRATION	EARLY REGISTRATION	REGULAR REGISTRATION	LATE REGISTRATION
	<i>Available until June 7, 2020</i>	<i>Between June 8-August 22, 2020</i>	<i>After August 22, 2020</i>
Regular delegate member of EPS*	380 EUR	430 EUR	480 EUR
Regular delegate	430 EUR	480 EUR	530 EUR
PhD student member of EPS*	180 EUR	230 EUR	280 EUR
PhD student*	230 EUR	280 EUR	330 EUR

PARTIAL CONGRESS REGISTRATION	EARLY REGISTRATION	REGULAR REGISTRATION	LATE REGISTRATION
	<i>Available until June 7, 2020</i>	<i>Between June 8-August 22, 2020</i>	<i>After August 22, 2020</i>
Accompanying person	50 EUR	50 EUR	50 EUR
Single day	200 EUR	200 EUR	200 EUR



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Prizes and Awards

ECOSS Prize

PhD within 2 years before the beginning of the conference
1 500 € for the best oral presentation

EPS Poster Prize

PhD student
200 € for the best poster presentation

EPS Travel Prize

Young researchers (PhD within 6 years) working at a European Institution
350 € travel grant and waived registration fees for the three awardees



VASSCAA-10 & CVS 2020

10th Vacuum and Surface Science Conference of Asia and Australia &
Chinese Vacuum Society Congress 2020

October 11-14, 2020 | Shanghai, China

ECM-132-20-A-02

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<http://vasscaa2020.csp.escience.cn>

Divisions and Parallel Sessions

1. Vacuum Science & Technology (VS)
2. Surface Science (SS) / Applied Surface Science (AS)
3. Nanosciences (NS)
4. Thin Film (TF)/Surface Engineering (SE)
5. Electronic Materials & Processing (EM) / Display Technology (DT)
6. Plasma and Plasmonics (PP)
7. Biointerfaces and Multidisciplinary (BM)
8. CVS special activity (in Chinese)



Guanghua Building, Fudan University
Shanghai, China

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<http://vasscaa2020.csp.escience.cn>

ECM-132-20-A-02 **Important days**

Organizers



Chinese Vacuum Society



Institute of Physics, CAS



Fudan University

- Plenary lectures Monday morning and Wednesday afternoon.
- From Monday afternoon to Wednesday morning, parallel sessions.
- 3-days exhibition
- IUVSTA-Elsevier student Award

Jul 2020

31

Deadline for
Submission of Abstract

Jul 2020

31

Deadline for
Early Bird

Aug 2020

31

Notification of
Acceptance

Sep 2020

15

Deadline for
Registration

Sep 2020

15

Deadline for
Hotel Reservation

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October 11-14, 2020 | Shanghai, China



中国真空学会
CHINESE VACUUM SOCIETY

Chinese Vacuum Society

ECM-132-20-A-02



October 2020

Oct. 11-14
Shanghai

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25

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ECM-133

Oct. 9-11 Suzhou



The World Hotel Grand DuShu Lake Suzhou

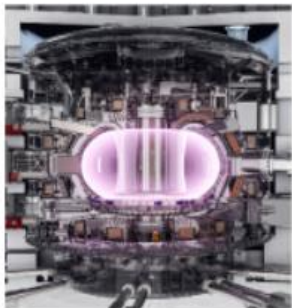
- Suzhou is about 80 km to the west of Shanghai
- In the afternoon of Oct. 11, bus is provided from Suzhou to Shanghai

ECM-132-20-A-02

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TOPICS

ASS	Applied Surface Science
BIO	Biointerfaces
EMP	Electronic Materials & Processing
NSN	Nanometer Structures & Nanotechnology
PST	Plasma Science & Technique
SE	Surface Engineering
SS	Surface Science
TF	Thin Film
VST	Vacuum Science and Technology
Special ITER topic: energy, plasma and materials	



WITH THE SUPPORT OF
ITER ORGANIZATION



Co-chair

Irina Martin-Graur
IUSTI, Aix Marseille Univ.



Co-chair

Jean-Louis Bersier
ITER Organization

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SVTM+EVC: TOWARD A GREAT
EUROPEAN EXHIBITION
ON VACUUM AND MATERIALS



A3TS JOINTLY ORGANISED WITH
48th congress for heat &
surface treatment

SFV
Société Française du Vide

CONFERENCE SECRETARY: FRENCH VACUUM SOCIETY

Société Française du Vide (SFV)
19 rue du Renard F-75004 Paris
+33 (0)1 53 01 90 30- sfv@vide.org- www.vide.org



International Vacuum Congress (IVC-22, ICSS, ICN+T, VASSCAA)



Co-organized with

International symposium on sputtering plasm processes

International colloquium on scanning probe microscopy

ECM-132-20-A-02

ECM-132-20-A-02

Sapporo – Japan
September 11(Sun) – 16 (Fri), 2022

Chair: President of JVSS

Ex. Councilor: Katsuyuki Fukutani (Tokyo)

Venue: Sapporo Convention Center



<https://ivc22.org>

Program committee

Chair: Hidemi Shigekawa (Tsukuba)

Vice-chair: Yukio Hasegawa (Tokyo)

- ✓ We will ask the chairs and the Japanese representatives of IUUSTA nine divisions to be committee members.

Cf. F. Komori (SSD vice-chair), S. Hamaguchi (PSTD chair)

S. Hasegawa (NSD vice-chair) from Japan

Exhibition committee

Chair: M. Tsujimura (Ebara) & H. Obinata (ULVAC)

Vice-chair: M. Kuroiwa (Tokyo El.)

H. Yoshida, Y. Sato, S. Sekiguchi, T. Tazawa

K. Ohori, Y. Okano, M. Nakamura

Local arrangement

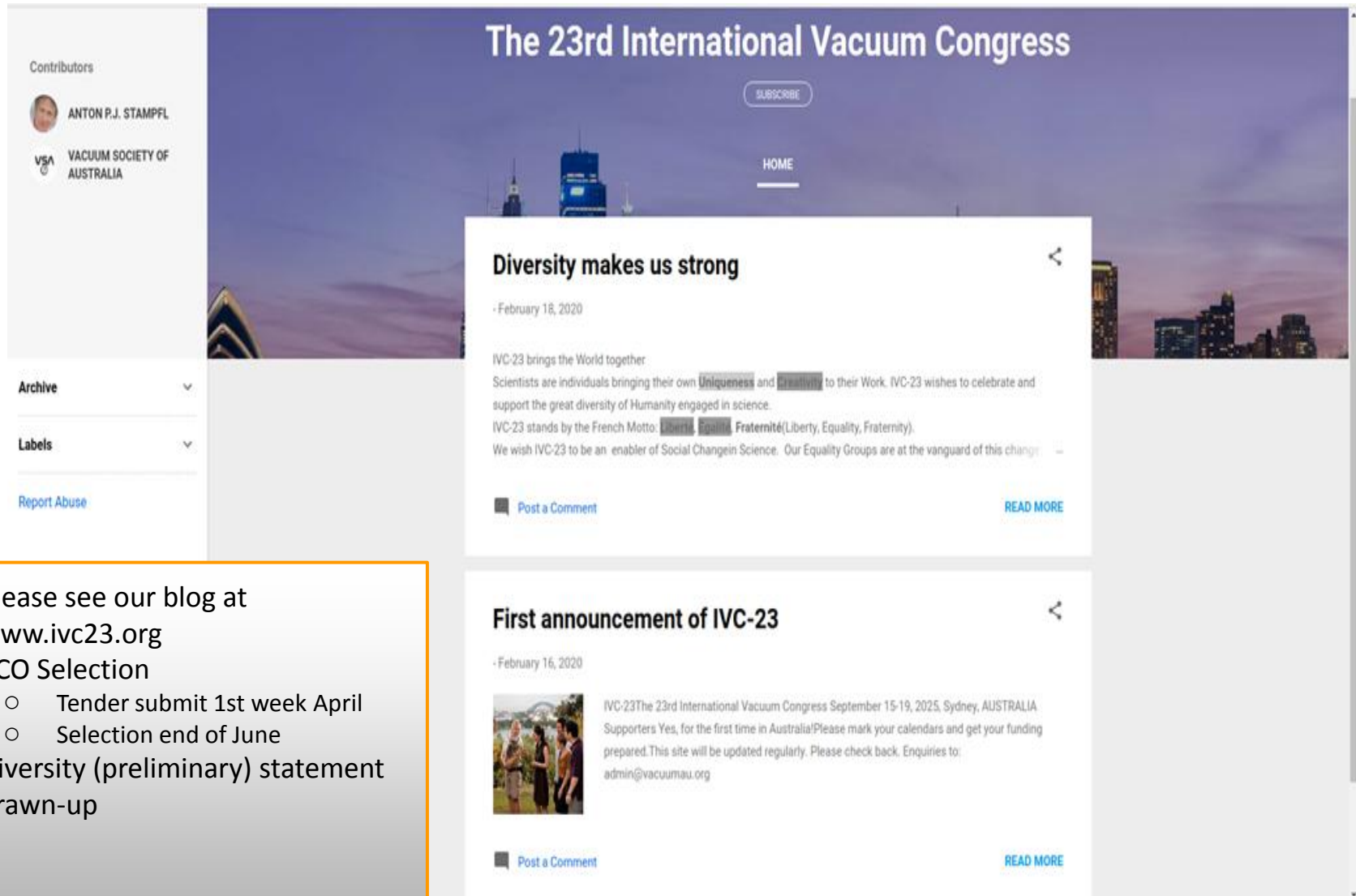
Kiyotaka Asakura (Sapporo)

T. Shimada, T. Takakusaki, T. Abukawa, T. Kurabayashi

First Announcement of IVC-23 Sydney, 2025

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- Please see our blog at www.ivc23.org
- PCO Selection
 - Tender submit 1st week April
 - Selection end of June
- Diversity (preliminary) statement drawn-up