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Awards and Scholarship Committee

Martin Wüest
Chair

Hybrid Meeting (Marseille and Zoom)
19 November 2021



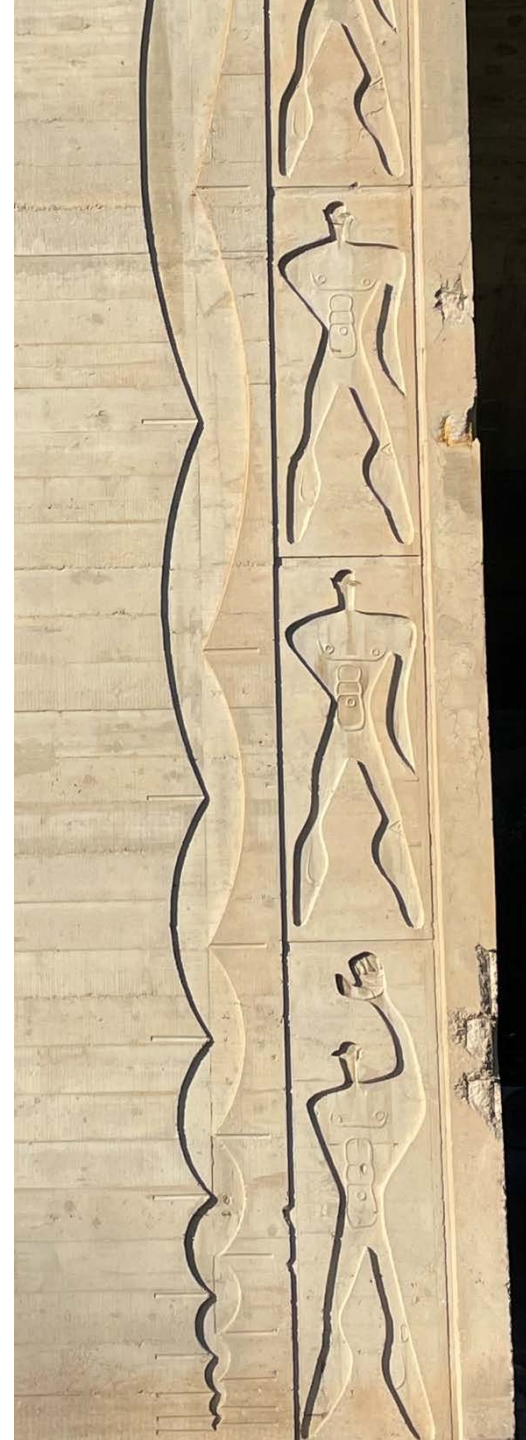
Attendance

Agenda

- Opening
- Attendance (from Christoph Eisenmenger-Sittner)
- Adoption of Agenda
- Minutes of ASC meeting during ECM-134 virtual
- IUVESTA Elsevier Students Award
- IUVESTA Welch Scholarship
- IUVESTA Prize (Science and Technology)
- IUVESTA EBARA Award
- Peter Barna Award
- Any Other Business
- Closing Remarks
- Adjourn



Adoption of Agenda





Minutes of ASC Meeting ECM-134 virtual





Present Array of Awards

Character	Frequency	Undergraduate	Graduate	Post-doc	Established
Recognition	Every 3 years				IUVSTA Prize for Science IUVSTA Prize for Technology
Subsistence	Annually			Welch	
Semester abroad					
Conference Travel	Annually Select Conf.		Elsevier	Elsevier	
Research	Every 3 years			Ebara	
Conference Presentation	At ICTF every 3 years		Peter Barna		

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IUVSTA Elsevier Student Travel Award

			EUR	Contacted/On web/ Winners announced/ report written
ICTF-2020	14-18 June 2020 postponed to 22-26 Nov 2020, 15 students conf fee student to attend EVC-16 in Marseille	Budapest, Hungary	2000	y/y/y/y
VASSCAA-10	11-15 Oct 2020 postponed to 11-14 Oct 2021, IUVSTA received 15 Sept 2020 EUR 2000 as intermediary due the postponement of VASSCAA-10. Transferred to CVS 6 on Sept 2021. 7 awardees selected. Payment to students not completed.	Shanghai, China	2000	y/y/y/y
EVC-16	30 May-4 June 2021 Place holder for IUVSTA Elsevier Award Announcement on web site postponed to 21-26 Nov 2021	Marseille, France	2000	y/y/y/n
ECOSS 36	Sept 2021 Now ECOSS 35 2020 postponed again to 29 Aug-2 Sept 2022 IUVSTA to be intermediary due to budget regulations at Elsevier	Luxembourg	2000	y/n/n/n
IVC-22	11-16 September 2022	Sapporo, Japan	4000	y/y/n/n
			----- 12000	



Awardees at VASSCAA-10



1	Xiaodong HAN	Xiamen University	A New MEMS Capacitance Diaphragm Gauge with Multi-diaphragm	Vacuum Science & Technology/ The 15th International Conference on Vacuum Science and Engineering Application	M
2	Chenglong LI	Institute of Plasma Physics, Chinese Academy of Sciences	Effect of flowing liquid Li first wall on deuterium retention on EAST	Plasma and Plasmonics	M
3	Kun WANG	Fuzhou University	Photoelectric Characteristics of Micro/nano Light-Emitting Diode Operating in Non-Contact and Non-Injection Mode	Electronic Materials & Processing / Display Technology	M
4	Yonglin KUANG	Northeastern University	Effect of Clearance and Helix Angle on Pumping Performance of Cylindrical Traction Molecular Pump	Vacuum Science & Technology/ The 15th International Conference on Vacuum Science and Engineering Application	M
5	Xintong LI	University of Science and Technology of China	Coherent dynamics of charge transfer exciton at a metal/organic interface	Surface Science/ Applied Surface Science	M
6	Yanbang CHU	Institute of Physics, Chinese Academy of Sciences	Phonons and Quantum criticality revealed by temperature linear resistivity in twisted double bilayer graphene	Nanosciences	M
7	Mei WU	Peking University	Nanoscale probing lattice dynamics at heterointerfaces	Surface Science/ Applied Surface Science	F





Awardees at EVC-16



- Thanasis Basdanis University of Thessaly
- Filipe Correia TECMINHO
- Michal Haubner Czech Technical University Prague /CERN
- Joana Ribeiro University of Minho
- Pakaj Kumar Samal Charles University Prague
- Benjamin Tomasetti UC Louvain



IUVESTA Medard W. Welch International Scholarship Award



Medard W. Welch, 1st President of IUVESTA



IUVSTA Welch Award 2021

Award announcement. Deadline June 15, 2021



Application deadline: June 15, 2021

 **2021 International IUVSTA Welch Scholarship Award**

This award will provide 15,000 USD for an outstanding young researcher to study vacuum science, techniques or applications at a lab in another country.

Details: <https://iuvsta.org/welch-scholarship/>

 IUVSTA  @IUVSTA

@LaurentArdhuin



IUVSTA Welch Award 2021

- 02 Feb 2021 Email to Hendricks
- 04 Feb 2021 Email to the sponsors
- 05 Feb 2021 Confirmation that Mr. Bro and Mrs. Howard will fund again
- 22 Feb 2021 Received the half of Mrs. Beth Howard
- 30 Mar 2021 Received the half of Mr. Bro
- 4 Mar 2021 Launched Award (IUVESTA News Bulletin 186)
- 15 Jun 2021 Deadline
- 16 Jun 2021 4 Applications
- 26 Aug 2021 Decision by Welch Committee for two Awards
- 08 Oct 2021 Electronic vote by ECM
- 21 Oct 2021 Transfer of funds approved by ECM
- 26 Oct 2021 Winners informed
- 22 Nov 2021 Award Ceremony at EVC-16 Opening Ceremony



IUVSTA Welch Awardees

Rémi Delaporte-Mathurin

a final year PhD student from France (expected PhD date 06/30/2022),

from Sorbonne/CEA to MIT (Prof. Michael Short),
January 2022 (3+ months)

Study with hydrogen transport code FESIM proton irradiation-decelerated corrosion by molten salts in reactor



Yanela Mendez González

an early career researcher from Cuba, Ph.D. date: 11/13/2019

University of Havana to Autonomous University of Madrid
(Miguel Manso Silván)

March 1st, 2022 to November 30th, 2022 (9 months)

New transistors made of out of plane standing $\text{MoTe}_{2-x}\text{Se}_x$ alloy
($0 \leq x \leq 2$) structures onto laser structured silicon (MoTeSe/Si)



Welch Award Certificates



Medard W. Welch

The International Union for Vacuum Science, Technique, and Applications



The IUVESTA Medard W. Welch
International Scholarship

for

2021

is awarded to

Dr. Yanela Mendez González

Dr. Martin Wüest
Chair IUVESTA Awards and
Scholarship Committee
Marseille, 22 November 2021

The scholarship is awarded every year to support a young postgraduate scientist for working
for up to a year in a country in which she has not previously studied.



IUVSTA Welch Committee Members 2019-2022

Name	e-mail	Continent	Organization	Gender	Term	ECM
Anton P.J. Stampfl, Chair	aps@ansto.gov.au	Australia	Research Lab	m	2018-2021	Chair CPC
Jay Hendricks	Jay.hendricks@nist.gov	America	Gov't Lab	m	Ex-Officio (2019-2022)	Chair STD
Arnaud Delcorte	Arnaud.delcortee@uclouvain.be	Europe	University	m	Ex-Officio (2019-2022)	Treasurer
Francisco Tabarés	paco.tabares@ciemat.es	Europe	Research Lab	m	2018-2020	No function
Jennifer MacLeod	Jennifer.macleod@qut.edu.au	Asia/ Pacific	University	f	2020-2025	Alt Counillor AUS
Enrico Maccallini	Enrico_Maccallini@saes-group.com	Europe	Industry	m	2018-2023	Alt Councillor Italy
Ana G. Silva	acs@fct.uni.pt	Europe	University	f	2018-2024	Rec Secretary & Chair ND





IUVESTA Prizes



IUVSTA Prize



Every three years IUVSTA awards two major prizes :

The IUVSTA Prize in Science

The IUVSTA Prize in Technology



IUVSTA Prize for Science

is awarded to recognize and encourage outstanding internationally-acclaimed research in the fields of interest to IUVSTA.



IUVSTA Prize for Technology

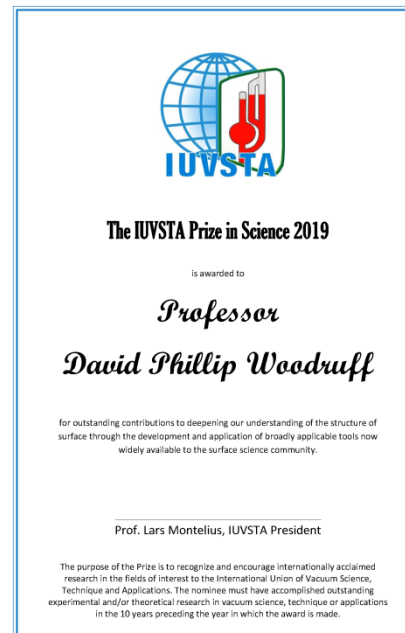
is awarded to recognize and encourage outstanding internationally-acclaimed achievements in technology and instrumentation in the fields of interest to IUVSTA.



IUVSTA Prize

consists of

- a cash award,
- a struck medal
- and a certificate





IUVSTA Prizes Nomination Package

- Nomination Letter
- Description of Research or Technological Highlights
- Biographical Materials
- Supporting Letters
 - (3-5, outside institution of nominee)
- Endorsement letter from President of National Society
- Formal Announcement
 - 17 May IUVSTA Newsflash 24
 - 27 May Email to Presidents Vacuum Soc and IUVSTA Councillors and Division Chairs,
 - 8 June on Twitter and LinkedIn
 - IUVSTA Newsflash reminder
- **Deadline January 31, 2022**



IUVSTA EBARA Award



APPLY AT IUVSTA.ORG



ARE YOU AN EARLY-CAREER RESEARCHER WORKING IN THE AREA OF VACUUM SCIENCE AND TECHNOLOGY WITH A PASSION FOR ENVIRONMENT?

Take the chance and participate in a contest for the development of environmentally friendly vacuum technologies.

The winner will be awarded a prize to the amount of 3000 euros at the IVC22 congress In Sapporo/Japan, September 11-16, 2022.



IUVSTA EBARA Young Scientist Award

- Award for a person within 10 years after Ph.D.
- For past work
- Dissemination: Web, National vac societies, IUVSTA newsflash, social media, scientific journals
- Frequency: every 3 years with IVC
- Application: Frama forms
- Evaluation: Special Committee that includes EBARA Scientist
- Award: EUR 3000 + invited talk at IVC.
 - IVC conference fee to come out of IUVSTA (now EBARA) budget



EBARA Award

- 10 May 2021 Email Sekiguchi to Anouk
- 24 May 2021 Email Sekiguchi to Anouk
- 25 May 2021 Email Anouk to Martin
- 27 May 2021 Reply Anouk to Sekiguchi
- 2 June 2021 Clarifications by Sekiguchi

Need to prepare posters and award text

Announcement ca Sept. 2021

Deadline ca. March 2022 depending on ECM-136

- 19 Sept 2021 Poster drafts
- 26 Oct 2021 Logo change requested by EBARA
- 6 Nov 2021 new banners available



20211004 Email Sekiguchi

- The donation of IVC-21 were below.
 - 1.donation to IUVSTA for print advertising in the IUVSTA book, printed for the anniversary of IUVSTA: 3.000 €.
 - 2.Prize donation for the winner: 3000 +615 € (Award+registration at IVC21 conference).
 - 3.Call for nomination + advertising which goes along with nomination : 3 .000 € all together
- Ebara will mean to donate the same sum.
- Could you let me know the donation procedure and period?



IUVSTA EBARA Award Committee

Name	Function	Country	Sex	Division	Organization
Sylvie Bourgeois sbourg@u-bourgogne.fr	Chair	France	Female	SS	University
Shinichi Sekiguchi 関口信一' <sekiguchi.shinichi@ebar.com>	Award sponsor representative	Japan	Male		Industry
Julia Scherschligt julia.scherschligt@nist.gov	Member	USA	Female	VTD	Nat Inst
Pedro Nascente nascente@ufscar.br	Member	Brazil	Male	SED	University
Jörg Patscheider Joerg.patscheider@evatecnet.com	Member	Switzerland	Male	TF	Industry







Peter Barna Award



- The Peter Barna Award for young scientists (PhD-level) for best conference presentation consists of a certificate and a cash award of EUR 200.–
- The spirit of the award is to make a link from the well established scientists involved in ICTF to outstanding young researchers.
- In the future, this prize should of course be associated to ASC.
- To minimize the associated work it is proposed that the selection committee is formed by the organizers of the respective ICTF, preferably involving the chair of TFD, and officers of IUVESTA if they are attending the congress. The cash award would be directly transferred to the Awardees by the treasurer.

Peter Barna Honorary President



Plaque

- Proposal for Plaque by Ivan Petrov May 17, 2021
- Inquiry by Andrej Vinze in Slovakia May 20, 2021
- Inquiry by Attila Csik in Hungary June 2, 2021
- Plaque organized by Ivan Petrov June 10, 2021
- Sent to Hungary by Fedex June 16, 2021
- Delivered June 28, 2021
- Presented by Béla Pécz to Peter Barna on June 29, 2021

Peter Barna, Honorary President

Commemorative Plaque was presented to Peter Barna on June 29, 2021









Present IUVSTA Awards and Prizes (2020)

Award	Aim	Frequency	Amount	Funding	Eligibility
IUVSTA Prize for Science	Recognize and encourage outstanding internationally-acclaimed research in the fields of interest to the IUVSTA.	Every 3 years with IVC	EUR 5000 + struck medal + certificate + travel expenses + Conference fee (IVC budget)	Previous donations from companies	Within 10 years preceding the year in which award is made
IUVSTA Prize for Technology	Recognize and encourage outstanding internationally-acclaimed achievements in technology and instrumentation in the fields of interest to the IUVSTA.	Every 3 years with IVC	EUR 5000 + struck medal + certificate + travel expenses + Conference fee (IVC budget)	Previous donations from companies	Within 10 years preceding the year in which award is made
IUVSTA EBARA Award	Recognizes an excellent young researcher or engineer for innovation in environmentally friendly solutions in the area of vacuum-related science and technologies.	Every 3 years with IVC	EUR 3000 + certificate + plaque + invited talk + conference fee (IUVSTA budget)	EBARA Company	Award for a person within 10 years after Ph.D. For past work
Welch Scholarship	Support a young postgraduate scientist for working for up to one year in a country in which he/she has not previously studied.	Every year	USD 15000	Mr. Bro Welch & Beth Howard USD 15000/yr	Postgraduate Scientist
IUVSTA-Elsevier Student Award	Partial financial support to attend IUVSTA meetings and conferences at which they are presenting a paper. Strive for gender balance	Yearly, selected conferences only	Depending on conference organizers (typ. EUR 500)	Elsevier grant EUR 12000 /3 yr	Postgraduate research student within 7 years of obtaining first degree at the start of the conference with not enough support to attend conference.