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Awards and Scholarship Committee

Martin Wüest
Chair

Hybrid Meeting (Marseille and Zoom)
19 November 2021

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Attendance

Agenda

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

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Adoption of Agenda

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Minutes of ASC Meeting ECM-134 virtual

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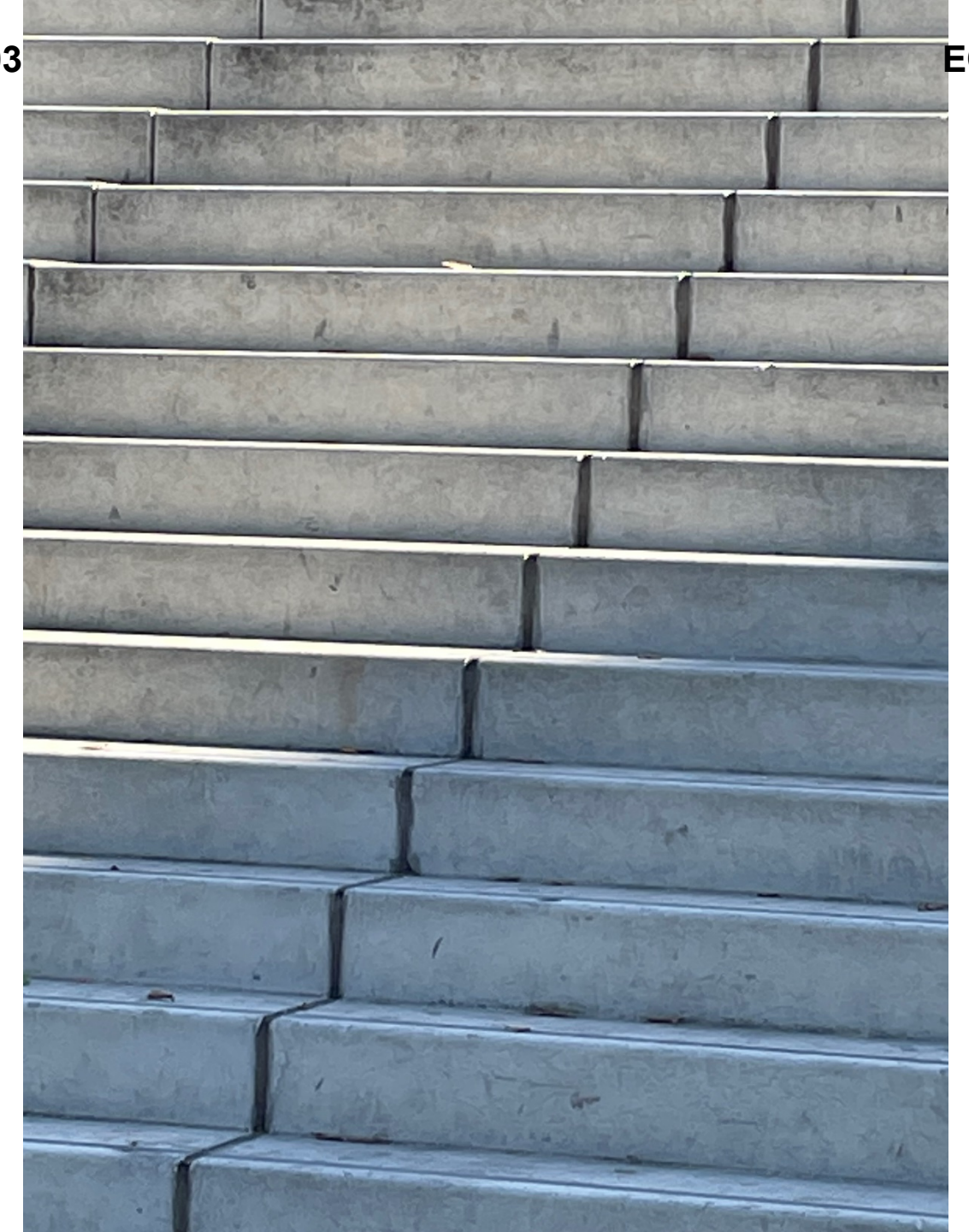

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Present Array of Awards

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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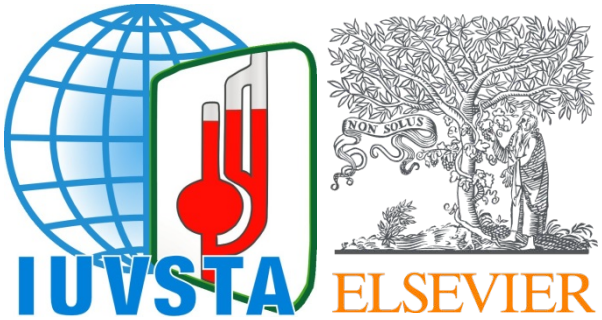

IUVSTA Elsevier Student Travel Award

			EUR	Contacted/On web/ Winners announced/ report written
ICTF-2020	14-18 June 2020	Budapest, Hungary	2000	y/y/y/y
	postponed to 22-26 Nov 2020, 15 students conf fee EUR 110=1650 + EUR 350 ICTF student to attend EVC-16 in Marseille			
VASSCAA-10	11-15 Oct 2020	Shanghai, China	2000	y/y/y/y
	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.			
EVC-16	30 May-4 June 2021	Marseille, France	2000	y/y/y/n
	Place holder for IUVSTA Elsevier Award Announcement on web site postponed to 21-26 Nov 2021			
ECOSS 36	Sept 2021	Luxembourg	2000	y/n/n/n
	Now ECOSS 35 2020 postponed again to 29 Aug-2 Sept 2022 IUVSTA to be intermediary due to budget regulations at Elsevier			
IVC-22	11-16 September 2022	Sapporo, Japan	4000	y/y/n/n
			12000	

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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

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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

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IUVSTA Medard W. Welch International Scholarship Award

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Medard W. Welch, 1st President of IUVSTA

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IUVSTA Welch Award 2021

Award announcement. Deadline June15, 2021

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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 (IUVSTA 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

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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 $MoTe_{2-x}Se_x$ alloy ($0 \leq x \leq 2$) structures onto laser structured silicon (MoTeSe/Si)

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Welch Award Certificates

Medard W. Welch

The International Union for Vacuum Science, Technique, and Applications

IUVSTA

The IUVSTA Medard W. Welch International Scholarship

for

2021

is awarded to

Dr. Yanela Mendez González

Dr. Martin Wüest
Chair IUVSTA 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.

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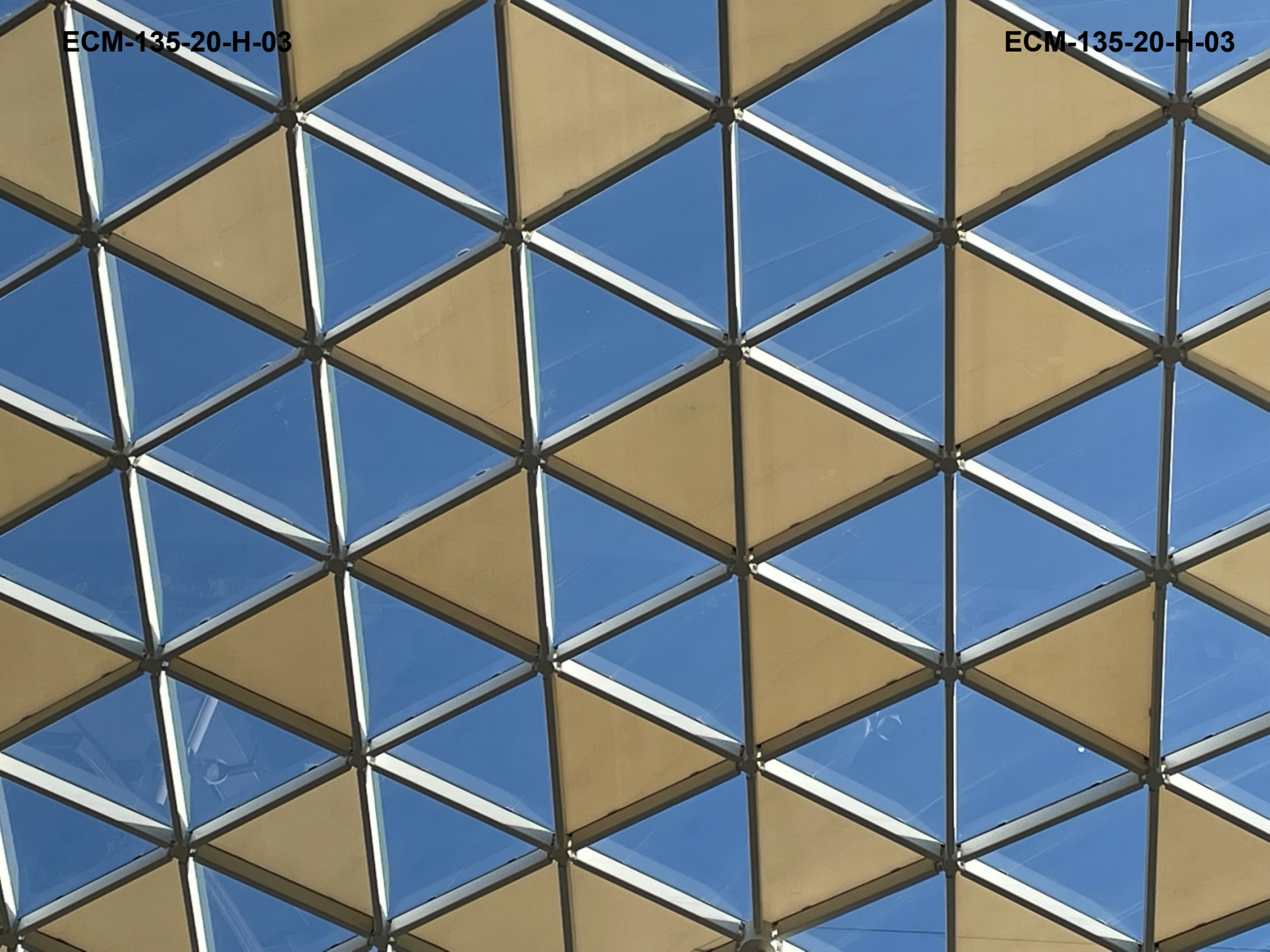
IUVSTA Welch Committee Members 2019-2022

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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IUVSTA Prizes

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IUVSTA Prize

Every three years IUVSTA awards two major prizes :

The IUVSTA Prize in Science

The IUVSTA Prize in Technology

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IUVSTA Prize for Science

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

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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.

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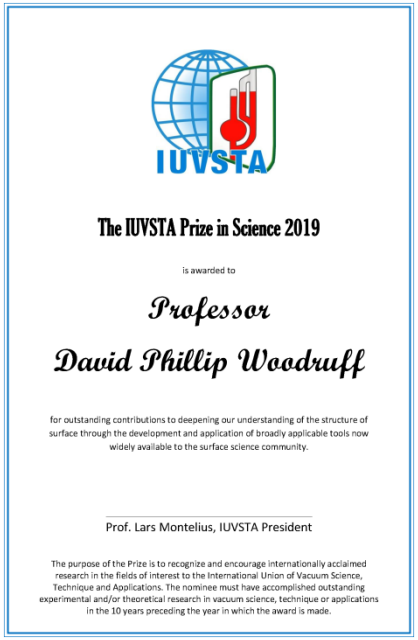
IUVSTA Prize

consists of

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



IUVSTA

The IUVSTA Prize in Science 2019

is awarded to

Professor

David Phillip Woodruff

for outstanding contributions to deepening our understanding of the structure of surface through the development and application of broadly applicable tools now widely available to the surface science community.

Prof. Lars Montelius, IUVSTA President

The purpose of the Prize is to recognize and encourage internationally acclaimed research in the fields of interest to the International Union of Vacuum Science, Technique and Applications. The nominee must have accomplished outstanding experimental and/or theoretical research in vacuum science, technique or applications in the 10 years preceding the year in which the award is made.

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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

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IUVSTA EBARA Award

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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

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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

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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?

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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@ebara.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

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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 IUVSTA if they are attending the congress. The cash award would be directly transferred to the Awardees by the treasurer.

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Peter Barna Honorary President

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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

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Peter Barna, Honorary President

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

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Present IUVSTA Awards and Prizes (2020)

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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.