HISTORY OF VEIT

VEIT 2017 EDITION, TWENTIETH IN THE SERIES IS DEDICATED TO THE FORTIETH ANNIVERSARY OF THE SCHOOL

INTRODUCTION

The International Summer School on Vacuum, Electron and Ion Technologies is a biennial scientific event organized with the aim to act as a forum for interchange and dissemination of knowledge and ideas on the latest developments in electron-, ion- and plasma-assisted technologies. It is a major scientific forum and a meeting place for young scientists and distinguished speakers and experts from around the world focusing on the state-of-the-art scientific developments with emphasis on both the physics and the engineering aspects of these technologies, which have become important research tools and production processes.

The Institute of Electronics at the Bulgarian Academy of Sciences is the institution - founder and continuous organizer of the School. The Institute of Ion Beam Physics and Materials Research, Research Center Rossendorf, Dresden, Germany was a co-organizer from 2005 to 2011. The Dutch Institute for Fundamental Energy Research /DIFFER/, Eindhoven, The Netherlands has been a co-organizer since 2013.

VEIT's popularity within the scientific community has grown considerably over the years. Many former school participants went on to become leading scientists and experts in universities and companies throughout the world. Today the School is an authoritative widely renowned scientific platform. The scientific program typically includes about 25 invited lectures and reviews. Contributed papers are also solicited and are presented mainly in poster sessions. The informal atmosphere, combined with the spirit of the ancient town of Sozopol, stimulate further collaborations and joint work. The social program includes a welcome party, an official dinner and outing to historical landmarks in Bulgaria.

The School's development and success are the result of the hard work of many enthusiasts from the Institute of Electronics and the co-organizing institutions. We should especially mention how highly we appreciate the effort of the International Advisory Committee (IAC), whose membership through the years has included 39 distinguished scientists from Europe and the USA. The IAC defines the School's scientific topics, proposes and selects the invited lecturers, chooses the reviewers of the works reported and discussed at the plenary/poster sessions and presented for publishing in full text. VEIT's Proceedings have been published in the prestigious scientific journals Vacuum, Plasma Processes and Polymers and Journal of Physics CS.

INTERNATIONAL ADVISORY COMMITTEE (last ten editions 1997 – 2017)

NAME	COUNTRY	YEAR
S. Altmeyer	Aachenn, Germany	1997
N. Guerassimov	Sofia, Bulgaria	1997, 1999, 2011, 2013, 2015, 2017
E. Hollmann	St. Petersburg, Russia	1997
D. Karpuzov	Sofia, Bulgaria	1997, 1999, 2001, 2003, 2005, 2007, 2009
R. Kirschman	Mountain View, USA	1997
J. Mitterauer	Wien, Austria	1997
S. Tamulevichius	Kaunas, Lithuania	1997
J. Teichert	Rossendorf, Germany	1997
P. Townsend	Brighton, UK	1997
H. Amemiya	Saitama, Japan	1999
U. Hohm	Braunschweig, Germany	1999
G. Ovsyannikov	Moscow, Russia	1999
P. Russel	Liverpool, UK	1999
I. Petrov	Urbana, USA	1999, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017
E. Steinbeiss	Jena, Germany	1999
L. Zarkova	Sofia, Bulgaria	1999
V. V. Aristov	Chernogolovka, Russia	2003, 2005, 2007, 2009
C. M. Ferreira	Lisboa, Portugal	2003, 2005, 2007, 2009
L. Hultman,	Linköping, Sweden	2003, 2005, 2007, 2009
W.-D. Münz	Sheffield, UK	2003
B. Rauschenbach	Leipzig , Germany	2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017
D. C. Schram	Eindhoven, The Netherlands	2003, 2005, 2007, 2009
P. Hovsepian	Sheffield, UK	2005, 2007, 2009
A. Ricard	Toulouse, France	2005, 2007, 2009
G. Dinescu	Bucharest, Romania	2011, 2013, 2015, 2017
A. Ehiasarian	Sheffield, UK	2011, 2013, 2015, 2017
D. Mataras	Patras, Greece	2011, 2013, 2015, 2017
W. Möller	Dresden, Germany	2011, 2013, 2015, 2017
M.C.M. (Richard) van de **Sanden**	Eindhoven, The Netherlands	2011, 2013, 2015, 2017
M. Ürgen	Istanbul, Turkey	2011, 2013, 2015, 2017
Z. Petrovic	Belgrade, Serbia	2011, 2013, 2015, 2017
M. Dimitrova	Prague, Czech Republic	2013, 2015, 2017
Th. Czerwiec	Nancy, France	2013, 2015, 2017
H. Kersten	Kiel, Germany	2013, 2015, 2017
I. Katardjiev	Uppsala, Sweden	2013, 2015, 2017
R. Panek	Prague, Czech Republic	2015, 2017
V. Guerra	Lisboa, Portugal	2015, 2017
K. Larsson	Uppsala, Sweden	2015, 2017
M. Mozetič	Ljubljana, Slovenia	2015, 2017
G. van Rooij	Eindhoven, The Netherlands	2017

CHAIRMEN OF THE SCHOOL (last ten editions 1997 – 2017)

NAME	AFILIATION	YEAR
D. Karpuzov, Chairman	Institute of Electronics, Bulgarian Academy of Sciences, Sofia, Bulgaria	1997, 1999, 2001, 2003
N. Guerassimov, Co - Chairman	Institute of Electronics, Bulgarian Academy of Sciences, Sofia, Bulgaria	1997, 1999, 2001, 2003, 2005, 2007, 2009
W. Möller, Co - Chairman	Institute of Ion Beam Physics and Materials Research, Dresden-Rossendorf Research Center, Dresden, Germany	2005, 2007, 2009
M. Dimitrova, Co - Chairperson	Institute of Electronics, Bulgarian Academy of Sciences, Sofia, Bulgaria	2011, 2013, 2015, 2017
M.C.M. van de Sanden, Co - Chairman	Dutch Institute for Fundamental Energy Research, Eindhoven, The Netherlands	2011, 2013, 2015, 2017

LOCAL ORGANIZING COMMITTEE (last ten editions 1997 -2017)

NAME	YEAR
D. Karpuzov Chairman	1997, 1999
N. Guerassimov Co-Chairman	1997, 1999, 2001, 2003, (Chair) 2005, 2007, 2009
R. Chakalov	1997
S. Georgieva	1997
I. Martev	1997, 1999, 2003, 2005, 2007, 2009
P. I. Petrov	1997, 1999, 2003, 2005, 2007, 2009, 2011
V. Tsaneva	1997
L. Zarkova	1997, 1999
Ch. Ghelev	1999, 2007, 2009, 2011, 2013, 2015, 2017
T. Donchev	2003
K. Popova	2003, 2005
R. Rangelov	2003, 2005
S. Tinchev	2003
J. Aleksieva	2005, 2007
M. Damjanova	2005, 2007, 2009, 2011, 2013, 2015, 2017
P. M. Petrov	2005
M. Dimitrova	2007, 2009, 2011, (Chair) *2013, 2015, 2017*
L. Mladenov	2007, 2009
Ch. Angelov	2011, 2013, 2015, 2017
E. Vasileva	2013, 2015, 2017
P. Ivanova	2017
E. Taskova	2017

MAIN SCIENTIFIC TOPICS (last ten editions 1997 – 2017)

VEIT 1997

- Advanced materials and devices
- Plasma-based technologies and diagnostics
- Thin films deposition and annealing
- Ion beam technologies
- Electron beam technologies

VEIT 1999

- Plasma and fluids: modelling, diagnostics and applications
- Thin films: deposition, characterisation and applications
- Thin films: modelling, processing and applications

VEIT 2003, VEIT 2005, VEIT 2007, VEIT 2009

- Ion-assisted and sputter deposition film growth
- Ion beam and laser processing of surfaces and thin films
- Coatings for advanced applications in electronics, magnetism, superconductivity, optics, mechanics
- Surface and thin film analysis
- Plasma processing and diagnostics
- Modelling and computer simulation

VEIT 2011

- Ion-assisted film growth and sputter deposition of thin films
- Ion-beam and laser processing of surfaces and thin films
- Coatings for advanced applications in electronics, magnetism, superconductivity, optics, mechanics
- Surface and thin-film analysis
- Plasma diagnostics and plasma-assisted processing
- Modeling and computer simulation

VEIT 2013, VEIT 2015, VEIT 2017

- Thin films deposition
- Surfaces and thin films processing and analysis
- Coatings for advanced applications
- Plasma-surface interaction and plasma diagnostics
- Modeling and computer simulation

VEIT INVITED SPEAKERS (last fifteen editions)

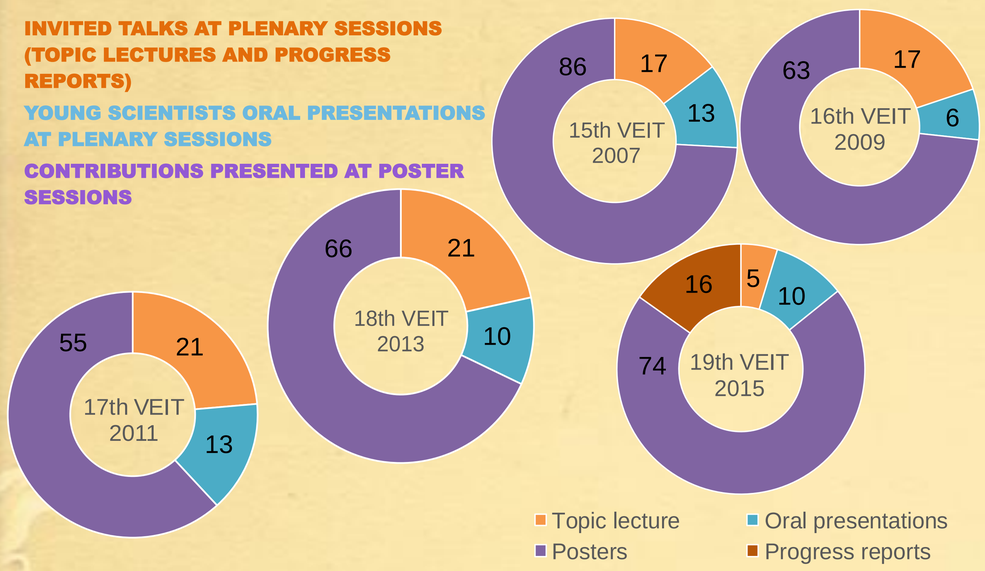
Name	Country	Year
E. Rimini	Italy	1987
D. Karpuzov	Bulgaria Canada	1987,1989,1997,1999,2001 2005
H. Reuter	GDR	1987
M. Braun	Sweden	1987
G. Götz	DDR	1987
G. Mladenov	Bulgaria	1987, 1997
J. E. Green	USA	1987
J. –E. Sundgren	Sweden	1987
V. Orlinov	Bulgaria	1987
G. Carter	UK	1987
J. P. Langeron	France	1987
D. Menzel	BRD	1987
V. V. Aristov	USSR	1987, 2003
V. T. Cherepin	USSR	1987
Ch. Weissmantel	GDR	1987
G. Grigorov	Bulgaria	1987
V. M. Koleshko	USSR	1987, 1989
B. S. Evseev	USSR	1987
T. D. Rajabov	USSR	1987
B. Rauschenbach	DDR	1987,1989,2001,2005,2009, 2013,2017
B. Stefanov	Bulgaria	1987, 1989
A. F. Vjatkin	USSR	1987
J. E. Kreindel	Sverdlovsk	1987
J. Szmidt	Poland	1987
S. Lasisz	Poland	1987
V. I. Perevodchlkov	USSR	1989
A. D. Sushkov	USSR	1989
V. V. Bushenko	USSR	1989
Yu. E. Krelndel	USSR	1989
P. Chráska	Czechoslovakia	1989
A. Levitsky	USSR	1989
A. Kuzjukevičs	USSR	1989
K. Gamo	Japan	1989
M. Setvak	Czechoslovakia	1989
F. F. Komarov	USSR	1989
V. N. Mordkovich	USSR	1989
M. J. Nobes	UK	1989
J. Viskočil	Czechoslovakia	1989
E. V. Yadin	USSR	1989
E. I. Tochitsky	USSR	1989
X. Jiang	FRG	1989
E. Richter	GDR	1989
G. Krautheim	GDR	1989
J. Dudas	Czechoslovakia	1989
D. Schulze	GDR	1989
M. A. Herman	Poland	1989
F. Fujimoto	Japan	1989
B. X. Liu	China	1989
T. D. Radjabov	USSR	1989
M. Posselt	GDR	1989
I. V. Katardjiev	UK Sweden	1989 1995, 2009, 2011, 2013
W. Möller	FRG, Germany	1989,2001,2003,2005,2007
U. Littmark	FRG	1989
M. Hautala	Finland	1989
V. I. Zinenko	USSR	1989
S. N. Sidoruk	USSR	1989
V. I. Panov	USSR	1989
I. H. Wilson	UK	1989
L. Frank	Czechoslovakia	1989
J.J. Jimenez-Rodriguez	Spain	1989
A. A. Kosyachkov	USSR	1989
S. P. Chenakin	USSR	1989
Bernard Jouffrey	France	1995
Richard G. Forbes	UK	1995
D. G. Armour	UK	1995
Oleg I. Yordanov	Bulgaria	1995, 1999, 2005, 2015
N. Tzenov	Bulgaria	1995
D. K. Otorbaev	Netherlands	1995
L. Zarkova	Bulgaria	1995
I. A. Vasilieva	Russia	1995
B. E. Djakov	Bulgaria	1995, 2007
Tsv. Popov	Bulgaria	1995, 1997, 2009, 2011
S. Altmeyer	Germany	1995, 1997
S. A. Korenev	Russia	1995
E. Steinbeiβ	Germany	1995
R. Barth	Germany	1995
Yu. V. Trushin	Russia	1995
Randall	USA	1997
K. Kirschman	USA	1997
S. Benacka	Slovakia	1997
J. Teichert	Germany	1997
E. K. Hollmann	Russia	1997
S. Tamulevicius	Lithuania	1997
J. Mitterauer	Austria	1997
P. D. Townsend	UK	1997
P. K. Petrov	Russia	1997
A. Buroff	Bulgaria	1997
S. V. Granko	Belarus	1997
A. Szekeres	Bulgaria	1997
R. I. Khaibullin	Russia	1997
I. G. Romanov	Russia	1997
P. C. Russell	UK	1999
H. Amemiya	Japan	1999
Uwe Hohm	FRG	1999
I. Petrov	USA	1999,2001,2003,2005,2007,2009,2015
E. Steinbeiss	Germany	1999
G. A. Ovsyannikov	Russia	1999, 2001
S. Alexandrova	Bulgaria	1999, 2001
E. Balabanova	Bulgaria	1999
D.Dimova-Malinovska	Bulgaria	1999, 2009
Z. Barber	UK	2001, 2003
M. Blamire	UK	2001
J. von Borany	Germany	2001
W. Heiland	Germany	2001
P. Hovsepian	UK	2001,2003,2007,2009,2013,2015
V.G. Litovchenko	Ukraine	2001
N. S. McIntyre	Canada	2001
I. Mitchell	Canada	2001
D. Munz	UK	2001
J. Musil	Czech Republic	2001
F. Richter	Germany	2001
V.F. Reutov	Russia	2001
F. Richter	Germany	2001
G. Schiwietz	Germany	2001
W.D. Sproul	USA	2001
B. Stritzker	Germany	2001
S. Tinchev	Bulgaria	2001
L. Hultman	Sweden	2003, 2005
J. Gerlach	Germany	2003, 2013, 2015
P. Mayrhofer	Austria	2003
C. Lungu	Romania	2003
R. Gago	Germany	2003
J. Weaver	USA	2003
A. Shivarova	Bulgaria	2003
E. Dias	Portugal	2003
U. Helmersson	Sweden	2003, 2009
J. Patscheider	Switzerland	2003
V. Ignatova	Germany, The Netherlands	2003 2015
B. Schmidt	Germany	2003
I. Rangelov	Germany	2003
V. Popok	Sweden	2003
A. Anders	USA	2005
P. Atanasov	Bulgaria	2005, 2007, 2013
S. Berg	Sweden	2005
A. Bogaerts	Belgium	2005
J. Fassbender	Germany	2005
C.M. Ferreira	Portugal	2005
K.-H. Heinig	Germany	2005
A.v. Keudell	Germany	2005
K. Larsson	Sweden	2005, 2013
A. Ricard	France	2005
P. Roca i Cabarrocas	France	2005, 2011
J. Schneider	Germany	2005
D. Schram	The Netherlands	2005, 2009
E. Tatarova	Portugal	2005
G. Abrasonis	Germany	2007
H. Biederman	Czech Republic	2007
M. Bilek	Australia	2007
J. Birch	Sweden	2007, 2011, 2017
V. Chirita	Sweden	2007, 2015
A. Creatore	The Netherlands	2007, 2011
D. Depla	Belgium	2007, 2011
A. Ehiasarian	UK	2007, 2009, 2011
G. Janssen	The Netherlands	2007
H. Kersten	Germany	2007,2011,2015,2017
I. Marchenko	Ukraina	2007
K. Potzger	Germany	2007
T. Czerwiec	France	2009, 2011, 2013
M.C.M.van de Sanden	The Netherlands	2009, 2011, 2013
S. Facsko	Germany	2009
H. Lebius	France	2009
R. Yakimova	Sweden	2009, 2011
M. Vinnichenko	Germany	2009
N. Nedyalkov	Bulgaria	2009, 2011
G. Dinescu	Romania	2009, 2011, 2015
Z. Petrović	Serbia	2011, 2013, 2017
A. Salabaş	Switzerland	2011
S. Agarwal	USA	2011
G. Marcos	France	2011
M. Ürgen	Turkey	2011, 2015
D. Mataras	Greece	2011
E. Stamate	Denmark	2011
R. Panek	Czech Republic	2011 2013,2015,2017
J. Stockel	Czech Republic	2011, 2017
S. Rauschenbach	Germany	2013
M. Mozetič	Slovenia	2013, 2015, 2017
J. Gunn	France	2013, 2015, 2017
O. Guaitella	France	2013
E. Amanatides	Greece	2013
V. Guerra	Portugal	2013, 2015, 2017
S. Welzel	The Netherlands	2013
B. Mitu	Romania	2013
W. Bongers	The Netherlands	2013
G. De Temmerman	The Netherlands	2013
M. Berta	Hungary	2015
G. Henrion	France	2015
N. Puac	Serbia	2015
N. Ghafoor	Sweden	2015
J. F. Pierson	France	2015
M. Gleeson	The Netherlands	2015
G. van Rooji	The Netherlands	2015
A. Sobota	The Netherlands	2015

NUMBER OF TALKS DELIVERED TO THE LAST FIVE VEIT EDITIONS (2007 – 2015)

INVITED TALKS AT PLENARY SESSIONS (TOPIC LECTURES AND PROGRESS REPORTS)

YOUNG SCIENTISTS ORAL PRESENTATIONS AT PLENARY SESSIONS

CONTRIBUTIONS PRESENTED AT POSTER SESSIONS



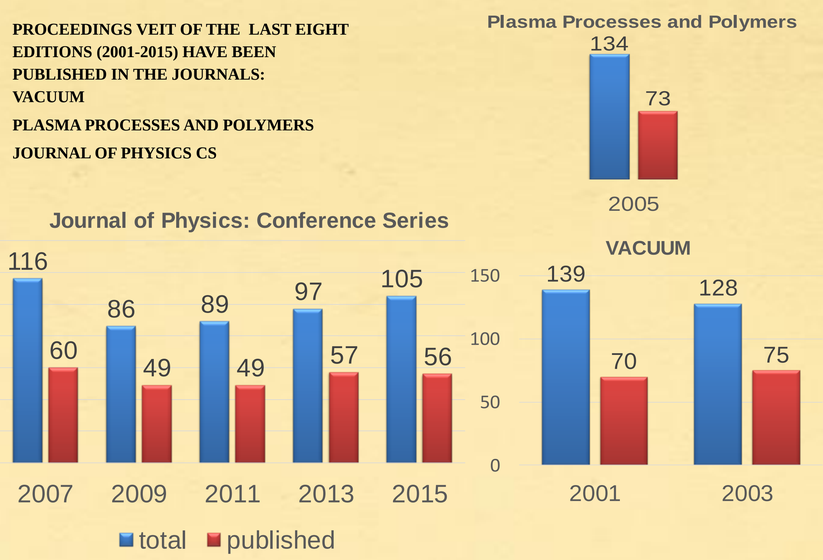
PROCEEDINGS VEIT, LAST EIGHT EDITIONS (2001 - 2015)

PROCEEDINGS VEIT OF THE LAST EIGHT EDITIONS (2001-2015) HAVE BEEN PUBLISHED IN THE JOURNALS:

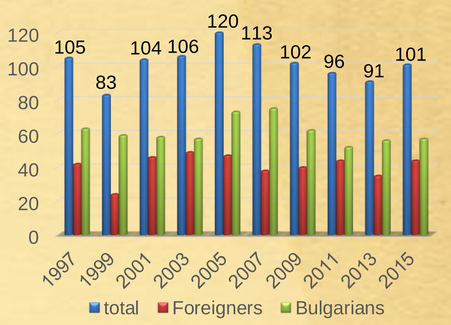
VACUUM

PLASMA PROCESSES AND POLYMERS

JOURNAL OF PHYSICS CS



PARTICIPANTS IN THE LAST TEN EDITIONS OF THE SCHOOL (1997 – 2015)



COUNTRIES

Austria, Australia, Belarus, Belgium, Brazil, Bulgaria, Canada, China, Czech Republic (Czechoslovakia), Denmark, Finland, France, Germany (GDR, FRG), Greece, Hungary, Italy, Japan, Kazakhstan, Korea, Latvia, Lithuania, Mexico, Pakistan, Poland, Portugal, Romania, Russia (USSR), Serbia and Montenegro (Yugoslavia), Slovakia, Slovenia, Spain, Switzerland, Sweden, The Netherlands, Turkey, UK, Ukraine, USA.

Opening ceremony Photos

Plenary sessions Photos

Poster sessions Photos

Social events, Welcome party, Official dinner, Outings to historical landmarks in Bulgaria