

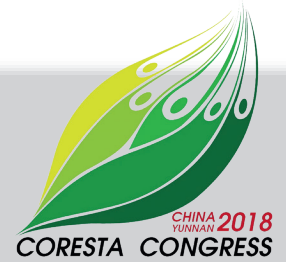


NEWSLETTER

Issue 52 – December 2018

CORESTA CONGRESS 2018

22–26 October, Kunming, China



Did you say spicy? Yunnan cuisine indeed is spicy, yet tasty. When these two qualities are combined it means the meal has been well prepared with talent. One could say the same when describing the course of CORESTA Congress 2018. Based on the feedback from the participants, the Kunming Congress was a great success. Many were amazed how cleverly, smoothly and courteously the local organisers managed the huge amount of work during the week. Delegates were able to attend the Congress and concentrate on the science without worrying about practical issues, thanks to the excellent team formed by the China National Tobacco Corporation (CNTC).

Ten years ago, in Shanghai, the theme of the Congress was focused on how science and innovation could drive the future of the tobacco industry, this year it “addressed the needs.” The industry and its needs have indeed changed and evolved at an impressive pace – one can only observe what a spectacular metamorphosis has taken place with the emergence of new derived products. Pivotal aspects of these changes and needs were treated during the high-level scientific presentations and workshops held during the Congress, on 22-26 October, 2018.

As always, the event offered an opportunity for many Sub-Groups and Task Forces to hold meetings. From early Sunday morning until Monday evening’s welcome reception, 17 meetings were organised. And as usual, ACAC, the Scientific Commission and Board held their meetings and a few companies held private internal meetings.

Due to the considerable number of papers (totalling 237), concurrent sessions for Smoke-Techno presentations were arranged for four days and similarly for Agro-Phyto for two days. A total of 468 participants (of which 39 attended only the Sub-Group and Task Force (SGTF) meetings prior to the Congress) and 25 accompanying persons, from 28 countries, attended the Congress.

Abstracts of all presentations, PowerPoint presentations and available full manuscripts have been uploaded on the CORESTA website at www.coresta.org/abstracts/search.

Presentations Numbers

	No.	Total
Intergroup Papers and Posters	6	6
Agro-Phyto (Oral)	44	
Agro-Phyto (Posters)	26	
Total Agro-Phyto		70
Smoke-Techno (Oral)	59	
Smoke-Techno (Posters)	59	
Total Smoke-Techno		118
Workshop Presentations	20	20
Sub-Group / Task Force Reports + ACAC	21	21
Invited Speaker Presentations	1	1
Prize Winner Presentation	1	1
TOTAL NUMBER OF PRESENTATIONS		237



InterContinental Hotel



Lake Dianchi

昆明

Future Meetings

- 6-10 October 2019 – Smoke Science / Product Technology Study Groups – Hamburg, Germany (Hosted by Borgwaldt)
- 13-17 October 2019 – Agronomy & Leaf Integrity / Phytopathology & Genetics Study Groups – Victoria Falls, Zimbabwe (Hosted by TRB)
- 11-15 October 2020 – CORESTA Congress – Vienna, Austria (Hosted by Japan Tobacco)

SCIENTIFIC PROGRAMME

Invited Speaker

Exceptionally, this year's working sessions began on Tuesday instead of Monday. The auditorium was filled with attentive delegates when the welcome words spoken by Michael Meger, President of the Scientific Commission, resounded in the room.



The plenary session began with an invited speaker from the China Tobacco Gene Research Center, Dr Cao Peijian. He shared experiences on improvement of tobacco varieties conducted in China since 2010. The aim of the "Tobacco Genome Project" initiated by the China National Tobacco Corporation (CNTC) was to promote the green development of China's tobacco agriculture by developing tobacco varieties with higher quality and less harmful constituents.

Intergroup Papers

The first intergroup paper selected for the Congress was entitled "Production of very low nicotine Burley tobacco: short term feasibility from an agronomy viewpoint" by Anne Jack et al. from the University of Kentucky. Anne Jack explained how several groups were working on molecular nicotine reduction. According to her it was possible to achieve the 0.3-0.5 mg/g nicotine levels, but it could be years before such varieties would be commercially available.

The second intergroup paper entitled "Cigarette Variability Task Force study designs, statistical considerations, initial observations, and limitations" was prepared by Michael Morton et al. from Altria Client Services. Michael Morton explained that the CVAR Task Force had developed studies in three phases: short-term, medium-term and long-term. The first part of this impressive work has recently been published.

Agro-Phyto Presentations

The Agro-Phyto sessions focused on low nicotine, good agricultural practices, genetics, CPAs, TSNAs, biotechnology, leaf chemistry and diseases.

In the first session, the signification of an advance notice of proposed rulemaking (ANPRM) entitled "Tobacco Product Standard for Nicotine Level of Combusted Cigarettes" published by the FDA in March 2018 was elucidated. The session ended with a presentation on the regulatory network between non-coding RNAs and key genes of the nicotine metabolism pathways.

During the session on Good Agricultural Practices viewpoints on different fertilization systems, difficulties of organic seedling production, alternative sources of potassium, chloride application effects, and testing performance of tobacco varieties in water stress conditions were presented.

Speakers during the Genetics session highlighted the breeding of an extremely low nicotine Burley tobacco line, as well as tobacco *Angustifolia* (AN) gene promoter activity. *Orobanche* resistance in tobacco was also examined.

Other presentations on Tuesday afternoon mainly concentrated on chemical changes in ultra-low nicotine tobacco, leaf quality, effects of film mulching, and a non-destructive rapid method for blend grade verification.

The Wednesday morning sessions covered a range of topics on different crop protection agents, methods used and their consequences. The afternoon was reserved for TSNAs and their role in tobacco crops and cigarette smoke.

Thursday's biotechnology topics started with a presentation on identification of sucker control genes, and went on with genome-wide identification and functional characterization of senescence-associated genes of the NAC transcription factor family in tobacco and ended with an alternative strategy of risk reduction for tobacco smokers.

The Friday morning presentations on leaf chemistry described the development of the THA mutant line, the role of tobacco trichome-produced cembratrien-diols in pest/insect interaction, followed by leaf surface chemicals improvement, and finally multi-omics data and the effect of tobacco curing with flower buds in the same bulk-barn on the quality of flue-cured tobacco leaves.

Tobacco plant diseases were considered in the last Agro-Phyto session and interesting subjects covered, such as a new genetic source for black shank resistance and new strategies for early detection of blue mould in asymptomatic tobacco. Also, a study dealing with enhanced resistance to potato virus Y (PVY) was described followed by a paper on the discovery of a single dominant gene conferring complete resistance to TSWV in wild tobacco. To close the session, the influence of *Nicotiana glauca*-derived introgression on plant malformations of tobacco breeding lines was discussed.

Smoke-Techno Presentations

Many presentations at this year's Congress were linked to regulatory requirements. Such was the case for the first Smoke-Techno paper in the In Vitro session. The authors hoped it could be used to assist cigarette industries and governmental bodies in discussions on the risks and future regulation of cigarettes.

Other topics referred to "new products" and their associated components, i.e. heated tobacco type cigarettes, tobacco vapour products, and the cytotoxicity of e-liquids.

Papers on e-vapour methods and products were so numerous that two sessions were necessary to include them all. Just to mention a few, the first paper covered the FDA's draft Guidance to Industry regarding the submission of Premarket Tobacco Applications for electronic nicotine delivery systems and presented the "structure-activity relationships of propylene glycol, glycerin, and select analogs for carbonyl thermal degradation products." The increasing chemical complexity of e-liquid products was evoked, followed by formaldehyde levels in e-cigarette aerosols. The final paper in the session explained the Fourier Transform Infrared spectroscopy (FTIR) method's application to quantitative analysis of e-liquids.

The Heated Tobacco Products session dealt with different aspects of these "new products", such as volatile components, and aerosol constituents. They were covered in various presentations together with different analysis methods. As these products have become the focus of much attention (over twenty papers on the topic were presented in different sessions), a special one-hour open discussion was reserved at the end of the Congress to discuss the way forward.

Clinical studies had their own session evoking the measurements of the rate and extent of nicotine uptake to assess the dependence potential of new tobacco products.

The biological impact of tobacco products on smokers' health is essential knowledge and one of the papers examined the effects of smoking on white blood cell oxidative stress. Another paper demonstrated that when smokers switched from smoking combustible cigarettes to using an HTP, their exposure to smoke toxicants decreased.





Analysis methods for these products were explained in detail during the presentations, and sessions covered topics such as statistical analyses of variability in polyaromatic hydrocarbons to analytical testing for e-vapor products.

The Product Use Behaviour session described, amongst others, the topic of misperceptions of the relative harm of e-cigarettes compared with conventional cigarettes, non-addictive factors in the use of tobacco and nicotine-containing products, and different characteristics and measures of puffing topography.

Analytical methods needed two sessions in order to expose all the work done with standardised methods, the novel approaches used for analyses, the quality and safety control, and the development and application of different methods and reference products.

Potential health risks of different products, heated tobacco products, and electronic cigarettes opened the session on Risk Assessment/Population Studies. Assessing the population health impact of authorising the marketing of a smokeless tobacco product with a proposed modified risk claim was of concern at the end of the session.

As combustible cigarettes still exist, a session on Product Design was necessary and useful for those who were concerned by the impact of cigarette paper parameters on smoke yields and different cigarette designs, or the functional filter wrapping materials and their impact on specific properties.

Likewise, for the Process/Quality session covering paper-making, paper quality and quality improvement, and not forgetting flavour migration through capsule shells.

Evaluation of risk perception was of importance in many studies. One paper suggested that consumers respond to disease-specific warnings and risk-reduction claims in disease-specific ways. Another one emphasised that manufacturers seeking to make claims about modified-risk tobacco products must assess consumers' perceptions of absolute and relative risks for these products. In one study a cross-sectional survey to assess tobacco and nicotine product use behaviour in Japan was described. According to the presenter, it helped to predict the population health impact of introducing a heated tobacco product onto the market.

Biomarker changes are important indicators of human health. An inter-laboratory comparison study focused on the determination of total NNAL in human urine. Some authors had assessed changes in biomarkers of effect in smokers who switch to a closed system electronic cigarette, and some others concentrated on novel biomarkers to characterise exposure to aldehydes from e-vapor products based on stable-isotope constituents.

The presentations on the last Friday were of special interest for those involved in heated tobacco products. An important question was raised: "What does fundamental tobacco science teach us about heated tobacco products?" Those who attended this session now have a much better understanding.

Workshops

A workshop can be considered as a "fount of knowledge" at which everyone can drink. Workshops are nowadays a constant and integral part of the CORESTA annual events. This year no less than five workshops were organised. Presentations and

presenters were carefully chosen by the Scientific Commission to inform and provoke discussion on current topics.

The presenters were from all continents and all sectors: companies, universities, research centres and governmental institutes. As usual, the level of expertise and knowledge of speakers was at a very high level. Their positive, proactive attitudes and willingness to clearly explain concepts, triggered passionate discussions both during and after the working sessions.

Science and Innovation: The first workshop on the Tuesday morning was an appropriate introduction to the Congress with its intentional focus on the Congress theme. The changing face of the tobacco industry and new challenges were approached from different angles. The agronomists' role was depicted as being much different from what it used to be in the past and the first question asked was "what will a modern tobacco agronomist need to know in the future?"

The second Workshop speaker led the audience through a Zimbabwean case study on crop protection. The message was that the global focus was noticeably shifting towards greener CPAs and other innovative methods to reduce residues in the final leaf product, to protect the environment and the people involved.

Another perspective was offered with an analysis and conceptual view on how to increase trust in new product categories, such as e-vapor, amongst consumers and regulators.

One of the participants advocated that continued dialogue between relevant parties including regulators, academics, industry scientists and the greater public health community was necessary. He also remarked that there is no consensus yet on appropriate tools for tobacco products risk assessment.



Crop protection: Wednesday morning's workshop was entirely devoted to crop protection, a sector which has also much changed over recent years. Discussions offered a view on the future of CPAs in tobacco production, the complexity of foliar absorption and translocation of pesticides, the pesticide delivery methods to target pests, as well as the place and role of biocontrol in crop protection. All these aspects were discussed without forgetting regulatory, environmental and human health aspects of CPAs.

Genomic application: Discussions during this workshop dealt with subjects ranging from tobacco genomic resources, genome browsers, transcriptome expression levels, metabolism and many useful analysis tools. A presentation on modification of tobacco chemical constituents by molecular breeding was given. And of course, tobacco plant diseases were not forgotten by the panellists as they are a common major concern for tobacco growers worldwide. In that respect the role of genomic research to control disease was discussed.

Risk assessment: During the second workshop on Wednesday, the already evoked risk assessment tools remained the main subject. These tools are required to evaluate public-health issues informing regulatory decisions and to develop approaches for cost-benefit analyses. It was pointed out that risk assessment approaches may vary between organisations, hence the necessity that they be transparent, clear, reasonable, and consistent. Also, the misperception of risk was underlined as this seems to be common across the globe – consumers need to be better informed so as to make decisions that could greatly improve their health. In this workshop, a toxicological risk assessment approach for combustible tobacco products for application in the substantial equivalence pathway, was described.

Biomarkers: The last workshop of this flavoursome week was held on Friday with the purpose of critically reviewing the application of biomarkers in tobacco product evaluation and the qualification of tobacco-related biomarkers. The expert panel consisted of four speakers, and animated discussions ensued after the presentations. These covered collaboration opportunities, compliance markers challenges, sample collection practices, prioritization of biomarkers, and the role of the CORESTA Biomarker Sub-Group in further advancing the application of biomarkers for tobacco product evaluation.

Presentation by CORESTA Prize Awardee

During the last plenary session held on Friday afternoon, the 2018 CORESTA Prize was awarded to a former China Tobacco industry leading scientist, Prof Yuan Xingsi. His venerable age did not deter him from making a brilliant presentation on “*Technical upgrading and reconstruction of China’s tobacco*

industry.” The audience was impressed and acknowledged him with warm applause and a standing ovation.

Posters

85 posters were displayed from Tuesday to Thursday in the grandiose corridor leading to the Congress Centre thus providing delegates with time to study them at their leisure. The official poster session, held on Thursday afternoon, ran concurrently with the General Assembly and Board and Scientific Commission elections. This scheduling has its advantages and disadvantages, but provided delegates the benefit of ample viewing and discussion space.



SOCIAL PROGRAMME

Kunming is renowned for its pleasant climate, being referred to as the place of eternal spring, and thus allowing a magnificent Congress welcome reception to be held outdoors in the beautifully decorated garden of the Kunming InterContinental Hotel on Monday evening. The “CNTC considers it an honour to have been given the responsibility for organising the CORESTA Congress 2018” said Mr Zhao Hongshun, Vice-President of CNTC, his opening speech in which he warmly welcomed all the delegates to Kunming Congress. A very talented singer and musician entertained CORESTA delegates while they savoured succulent Chinese dishes and had a drink or two with old friends and new acquaintances. They could also admire Chinese craftsmanship and calligraphy made on the spot. The President of the CORESTA Board, Huub Vizée, in turn heartily thanked the CNTC and the Organizing Committee for offering CORESTA the extraordinary opportunity to return to China.



Whilst delegates were delving into the intricacies of high-level science, those who accompanied them were being shown the typical local culture and discovering ethnic customs of Yunnan Province. Their first destination was the rugged yet astoundingly beautiful Stone Forest where huge rocks, resembling stalagmites, rise from the ground. This geological formation is believed to be over 270 million years old. The next afternoon featured a visit to the Yunnan Provincial Museum and evening entertainment provided by ethnic minorities’ dancers and singers. Delegates in need of a break were permitted to join the accompanying persons tours if they so wished, which was highly appreciated. The busy programme continued on Thursday with a visit to the Fuxian Lake, known for its unique fauna and for being one of three major Yunnan lakes. The last excursion on the sunny Friday morning brought the party to the Yunnan nationalities village where different aspects of Yunnan’s ethnicity, cultural diversity and heritage could be observed. During the entire week of this diversified programme, the accompanying persons were also initiated to local culinary specialities.



The magnificent Stone Forest

Arriving at the closing dinner on the Thursday evening, delegates were met by a spectacular ethnic guest welcoming ceremony. The President of the CNTC, Mr Zhang Jianmin, and the Vice Governor of Yunnan Province, Mr Dong Hua, honoured the event with their presence and a speech. Varied dances from Hani, Naxi, Dai Yi and Bai ethnic minorities entertained delegates whilst delicious Chinese dishes, which amazed the eyes and the taste buds, were brought to the tables. The dinner culminated with the CORESTA medal awards ceremony. Bronze, silver and gold



medals were presented to meritorious persons by the President of CORESTA Board, Mr Huub Vizée.



A very important aspect of a CORESTA Congress is the international networking opportunities it offers delegates... but not only! Thanks to the CNTC staff, the Organising Committee and the Scientific Commission, this year’s congress was also insightful and inspiring, filled with excellent sessions, interspersed with challenging and thought-provoking workshops, and all wrapped in Chinese refinement and hospitality ... in other words: spicy and tasty.

HEATED TOBACCO PRODUCTS – An Open Discussion

With the increasing focus on heated tobacco products (HTPs), an informal meeting was organised at the end of the CORESTA Congress in Kunming, China, on 26 October, to initiate discussion. Around 120 delegates attended this meeting, moderated by Nils Rose, Borgwaldt’s representative on the CORESTA Board.

Opening the session, Nils showed the results of the survey carried out to gauge CORESTA members’ interest and requirements. 34 companies from 13 countries had provided feedback; 31 had said they would participate in a one-day workshop and 23 would contribute in a working group if launched. 16 objectives were proposed for such a working group, from basic definitions to “smoking” regime, from toxicity to electronics, and more. A variety of topics were discussed during the meeting, such as plant breeding research, the unclear regulatory landscape, and priorities to be set in terms of methods and available expertise of existing groups with regards to distributing the work. A dedicated task force might not be able to tackle all issues.

All agreed that a longer and structured workshop needed to be held soon to discuss HTPs further and analyse the knowledge gaps (*see last page of this Newsletter*).

AWARDS

CORESTA PRIZE



YUAN Xingsi, Professor of Engineering, was born in Shanghai in 1935, graduated from Shanghai Jiao Tong University in 1954. Prof. YUAN is the former Vice-President and Chief Engineer of China National Tobacco Corporation (CNTC), the former President of Zhengzhou Tobacco Research Institute of CNTC and the former Chief Editor of *Acta Tabacaria Sinica*.

Over the past 60 years, Prof. Yuan has always been working in the forefront of tobacco research in China. He led the research team to achieve a series of scientific research achievements in the fields of raw material consumption reduction, green leaf threshing and redrying, tobacco machinery, etc.; and solved various major scientific and technological problems related to tobacco processing technology and tobacco machinery production technology in different periods in China. These studies, directed by Prof. Yuan, initiated the development of reconstituted tobacco processing technology and green leaf threshing and redrying technology in China and played an important role in cigarette production. Prof. Yuan still works for China's tobacco industry by being part of the committees of several key dedicated research programmes of CNTC over the past years.

Prof. Yuan won the award of National Science Conference in 1978. He was entitled to the special allowance granted by the State Council in 1992 and nominated Outstanding Contribution Expert of Tobacco Industry by the State Tobacco Monopoly Administration in the same year. In 2014, he received the Outstanding Science and Technology Contribution Award granted by CNTC.



CORESTA MEDALS

Gold Medals

Marco PRAT has a MSc in Agronomy and worked for many years as an agronomist for Universal Leaf Tobacco in Italy. In 2002, he joined the JT International (JTI) Scientific and Regulatory Department with responsibility for the crop protection agent (CPA) residue control programme. Marco currently holds the position of Global Product Integrity Director within JTI Global Supply Chain Agronomy.

Within CORESTA, Marco has been very active for many years. He has been a member of Agrochemical Advisory Committee (ACAC) since 2003, became Vice-Chairman in 2007 and is Chairman since 2009. He has served on the Scientific Commission as President of the Agronomy Study Group from 2010-2012, as Vice-President of the Commission from 2012-2014 and as President from 2014-2016.

Marco is involved in the CORESTA Sub-Group Integrated Pest Management and the Sub-Group Proficiency Testing for Detection of Transgenic Tobacco. He is also a member (and initiator) of the Sub-Group on Agrochemical Residue Field Trials. He is a member of the Agrochemical Analysis Sub-Group, of which he was also Coordinator from 2006-2016. He also participated in the now disbanded Sub-Group on Sustainability in Leaf Tobacco Production and Sub-Group on Blue Mould.

In addition to presenting papers at CORESTA conferences, he has organised, co-organised and participated in several Workshops: Sustainability Workshop in 2011, Tobacco Integrity Workshop in 2012, Conservation of Natural Resources Workshop in 2013, Collaborative Studies Workshop in 2014, Extension and Training Workshop in 2016 and Sustainable Tobacco Production Workshop in 2017.

Within the CORESTA framework, Marco has been instrumental in efforts to reduce CPA residues in the tobacco crop through the continued development of CPA Guidance Residue Levels (GRLs). Marco has been active in organising and promoting research work on the reduction of CPA residues on cigar dark air-cured tobaccos with the setting up of field trials around the world, in cooperation with other companies involved in cigar production.



Silver Medals

Charles GARNER is currently Vice President of Next Generation Products, Scientific and Regulatory Affairs (SRA) at RAI Services Company. Charles earned a PhD in Toxicology and joined Reynolds in 1995 and has held several roles both in R&D and SRA. He has been actively involved with CORESTA since 1998. He was a member, then a deputy, of the Agrochemical Advisory Committee (ACAC) from 1998-2018. He served three terms as a member of the Scientific Commission on the Smoke Science Study Group from 2008-2014. He was instrumental in the establishment of the E-Cigarette Task Force in 2013 which evolved into the E-Vapour Sub-Group where he currently serves as the Coordinator. Charles has also made numerous presentations at CORESTA events.

Diane RAVERDY-LAMBERT has an MSc in Agricultural Engineering from UniLaSalle University. She joined SWM's affiliate LTR Industries in 1990 as a product developer and worked in several R&D and regulatory affairs positions dealing both with reconstituted tobacco and papers. Diane is currently SWM Chief Scientist & Director Regulatory Affairs, supporting SWM business, operational and R&D teams. Her first CORESTA Congress was in 1990 and she participated in the Roll-Your-Own and Cigarette Butt Degradability Task Forces and the Tobacco Factory Emissions Sub-Group. Diane was elected to the Scientific Commission in 2004 and served as President (2006-2008), then Secretary (2008-2010), of the Product Technology Study Group. She has represented SWM on the CORESTA Board since 2010 and was President of the Board from 2014-2016 and Vice-President from 2016 to 2018.



Vernon SCHMIDT is a Master Scientist at R.J. Reynolds Tobacco Company where he has managed the pest control program since 1998. He has a Master's degree in entomology from North Carolina State University. Vernon has been a member of the CORESTA Sub-Group on Pest and Sanitation Management in Stored Tobacco since 2000 and has served as the Coordinator since 2006. Some of the highlights of the Sub-Group's activities over the last 12 years are establishing resistance fumigation parameters for the Fumigation Guide, ongoing work investigating phosphine resistance, research and development of the Freezing and Controlled Atmosphere Guides, and conducting Infestation Control Conferences in Asia, Europe, South America, North America and Africa.



Mauri WINEGARDNER serves as Vice President in Universal's Operations Department, where he supports Universal's global leaf sourcing and processing operations. In this role, he directs corporate quality programs, oversees sustainability and supply chain integrity initiatives, and manages scientific and technical affairs. During his 23 years of service, Mauri has performed in operational, quality and analytical roles extending through Universal's business in over 30 countries around the world. He is an officer and board member of Global Laboratory Services, Inc., an analytical laboratory subsidiary, and represents Universal on the Board of CORESTA since 2006, working with industry stakeholders to promote international cooperation in tobacco-related science. He is an alumnus of the University of Richmond, and holds a B.S. in biology and an MBA. Mauri is a member of the Pest and Sanitation Management in Stored Tobacco Sub-Group since 2000, and has been a participant in various supply chain-related Task Force activities.



Jianping XIE, Academician of the Chinese Academy of Engineering, President of Zhengzhou Tobacco Research Institute (ZTRI) of CNTC, Chief Editor of *Tobacco Science & Technology*, has been contributing through ZTRI to Chinese tobacco science and technology since 1982. Professor Xie has been participating in CORESTA since the 1990s, and has published articles and made a keynote speech at a CORESTA event. He also made a great contribution to the organizations of the Xi'An SSPT Meeting in 2001, the Shanghai Congress in 2008 and the Kunming Congress this year. Prof. Xie has been the representative of CNTC on the CORESTA Board since 2000. He was awarded a CORESTA bronze medal in 2010.



Bronze Medals

Irving BERGER (Head of Breeding and Development, Souza Cruz, Brazil) began contributing to CORESTA as an ACAC member in 2012. That same year he was co-opted as a member of the Scientific Commission and then elected for two further terms (2014 and 2016) as Secretary of the Phytopathology and Genetics Study Group. Irving enrolled also as a member and contributor of the Residue Field Trials Sub-Group, a member of the 2017 CORESTA Agro-Phyto Joint Meeting Organising Committee (Brazil) and is currently contributing to the Tobacco Alkaloid Genetics Task Force. Irving has additionally contributed at meetings of several other CORESTA Sub-Groups and Task Forces over the past seven years including GMO, TSNA, AA, IPM and APIC.



Michael MEGER (Science and Health Manager, JT International S.A., Switzerland) Michael joined CORESTA in 1999 at the beginning of the Special Analytes Sub-Group (now SMA), and worked in parallel in the Smoking Behavior (now PUB) and Biomarker Sub-Groups. In 2012 he became a member of the Scientific Commission, was elected Vice-President of the SC in 2014 and SC President in 2016. Michael holds a PhD in bio-analytical chemistry and has a professional background in product technology, smoke analysis and exposure monitoring. He joined JTI Science & Regulatory Affairs in 2002. Michael also serves as member and nominated expert in several technical committees, associations and international working groups.



Masahiro MIYOSHI (Senior Scientist, Leaf Tobacco Research Center, Japan Tobacco Inc., Japan) started contributing to CORESTA for the first time in 2005 as a member of the Agrochemicals Analysis (AA) Sub-Group, mainly organizing several collaborative studies and he subsequently became its Coordinator in October 2016. He has also been involved with the Sub-Group on Proficiency Testing for Detection of Transgenic Tobacco since 2012, becoming its Secretary in January 2014, and actively organizing its proficiency tests since 2014 in collaboration with the Food Analysis Performance Assessment Scheme in the UK. He also supports the Agrochemical Residue Field Trial Sub-Group with analytical information and has presented posters on the CORESTA AA SG at various events on pesticide residues.



Michael MORTON (Principal Scientist, Altria Client Services, USA) became involved in CORESTA in 2013 when he joined the Smokeless Tobacco (now TTPA) Sub-Group. Since that time, he has worked closely with the Tobacco and Tobacco Products Analytes Sub-Group, the Routine Analytical Chemistry Sub-Group, and the Cigarette Variability Task Force, on statistical issues related to their studies. He has also participated in collaborative studies and proficiency studies with several Sub-Groups including Smoke Analytes, E-Vapour, Cigar Smoking Methods, and Physical Test Methods. He was instrumental in helping draft the CORESTA recommendations for carrying out proficiency and collaborative studies.



GENERAL ASSEMBLY

The Ordinary CORESTA General Assembly was held in the afternoon of Thursday, 25 October 2018. Out of the 154 CORESTA Member Organisations, a total of 58 were present and a further 22 were represented by proxies.

The outgoing President of the Board, Huub Vizée, chaired the session. The activities of CORESTA over the past two years were outlined and the accounts of the 61st and 62nd Financial Years presented by the CORESTA Secretary General, Pierre-Marie Guitton. The complete CORESTA Activity Report had been sent to Member Organisation official delegates two months prior to the General Assembly, as per the CORESTA Statutes.

This was the second time that voting was done electronically at a General Assembly, and thanks to the professionalism of the CNTC Organising Committee, the system performed perfectly with results displayed immediately.

The results of the Board elections are as follows:



2018-2020 BOARD

Five companies were elected to the Board for a four-year term of office and four companies were co-opted.

ELECTED MEMBERS

A) Members elected in 2016 (for 4 years)

Alliance One International, Inc. (USA)
British American Tobacco (UK)
China National Tobacco Corporation (China)
Imperial Brands (UK)
Japan Tobacco Inc. (Japan)

B) Members elected in 2018 (for 4 years)

Borgwaldt KC GmbH (Germany)
delfort (Austria)
Reynolds American Inc. Services Co. (USA)
Swedish Match AB (Sweden)
Universal Leaf Tobacco Company (USA)

CO-OPTED MEMBERS (for 2 years)

Alternative Ingredients, Inc. (USA)
KT&G Corporation (South Korea)

SWM International, Inc. (USA)
University of Kentucky (USA)

Board President: Huub VIZÉE, delfort, Austria



Huub Vizée has a degree in chemistry and joined the tobacco industry 32 years ago. During that period, he held several positions in leaf buying and blending, quality, research, product development and engineering before becoming Head of Group Regulatory Development at Imperial Tobacco. He subsequently joined delfort as Head of Regulatory Affairs. In 1994 he participated in CORESTA for the first time as a member of the Fine Cut Tobacco TF. He has since been active in several working groups and is currently a member of the Routine Analytical Chemistry SG. In 2008 he became member of the Board, representing Imperial Tobacco until 2010. In 2012 Huub again became a Board member on behalf of delfort and has served as Vice-President and President, respectively, over the past four years. Huub has also been on the CECCM and ECMA Boards and has been part of the GTNF Advisory Board since 2015.

Board Vice-President: Joseph THOMPSON, Imperial Brands, UK



Joe Thompson has degrees in physiology and toxicology, is a EUROTOX Registered Toxicologist and a Fellow of the Royal Society of Medicine in the UK. He has been in the tobacco industry for almost 19 years having held positions in product risk assessment, tobacco & health, product stewardship, compliance, product quality. As Group Science Director for Imperial Brands he leads all research & scientific-substantiation of products, and stewardship & compliance for Imperial and its subsidiaries. He first participated in CORESTA in the Biomarkers SG in the early 2000s and joined the Board of CORESTA representing Imperial Tobacco in 2016. He serves on the Strategy and Communication Board Sub-Committees.

STUDY GROUPS

The elections for the new Study Group executives to form the new Scientific Commission were held after the Board elections. The vote resulted in the re-election of 15 members and five new members taking up positions in the various Study Groups (two former executives had reached the end of their terms, two had not run for re-election and one was not re-elected). All former and new executives met on 26 October to organise the handover of roles and prepare for the next Scientific Commission in January 2019.

The full list and résumés of the new executives can be found on the next pages.

2018-2020 SCIENTIFIC COMMISSION



Scientific Commission President

Lea SCOTT, Universal Leaf Tobacco Co., USA

Lea obtained a BSc in Agronomy from North Carolina State University. He is currently the Vice-President of Agronomy Services at Universal Leaf Tobacco Company, Inc. He coordinates Universal's global agronomy production and R&D programmes and represents Universal on agro-science issues. Lea also serves on the CORESTA Agrochemical Advisory Committee.



Scientific Commission Vice-President

Rob STEVENS, ITG Brands, USA

Rob holds a PhD in Analytical Chemistry from Duke University and has over 25 years of tobacco science and product technology experience. He is currently the Director, Product Science at ITG Brands. He has been active in diverse areas of CORESTA including Secretary of the E-Vapour SG, and member of Cigarette Variability TF, Routine Analytical Chemistry, Tobacco and Tobacco Products Analytes, and Smoke Analytes SGs. He is also a member of US Technical Advisory Group for ISO/TC 126.

AGRONOMY & LEAF INTEGRITY STUDY GROUP

President

Anthony JACKSON, Premium Tobacco, Zimbabwe



Anthony holds a BSc. (Hon) in Agriculture from the University of Natal. He currently heads Agronomy Programs for the Premium Group. He has participated in a number of CORESTA activities and has been a member of the Scientific Commission since 2014. He is also a member of the CORESTA Agrochemical Advisory Committee, joining the group in 2016.

Vice-President

Masahiro MIYOSHI, Japan Tobacco Inc., Japan



Masahiro obtained an MSc in Plant Breeding and Genetics from the University of Tokyo and joined Japan Tobacco Inc. in 1994 as a breeder in the Agribusiness Division. He has been working in the Tobacco Division since 2002 and is currently Senior Scientist in the Leaf Tobacco Research Center, R&D Group. Within CORESTA, he coordinates the Agrochemicals Analysis SG.

Secretary

Marcos LUSSO, Altria Client Services, USA



Marcos has a PhD in Plant Pathology and extensive training in tobacco breeding, agronomy and curing practices. He has worked in tobacco since 1992 and his current position is Director Product Development at Altria Client Services in Richmond, Virginia, USA.

Member

Limeng ZHANG, Yunnan Tobacco Group Co., Ltd. of CNTC, China



Limeng holds a PhD degree in soil science and plant nutrition from Kiel University, Germany. He is currently the director of the Tobacco Production Technology Research Center of Yunnan Tobacco Company of CNTC. He is also a senior agronomist and chief scientist at the Biological Control Engineering Research Center of CNTC.

PHYTOPATHOLOGY & GENETICS STUDY GROUP

President

Dongmei XU, Altria Client Services, USA



Dongmei holds a PhD degree in crop sciences and is trained in plant molecular biology and genetics. She has been working on tobacco since 1992 and is currently a Fellow and technical leader for biotechnology at Altria Client Services in Richmond, Virginia, USA. She has been active in CORESTA since 1999 and participates in various SGTFs.

Vice-President

Susan DIMBI, Tobacco Research Board, Zimbabwe



Susan has a PhD in Agricultural Entomology and a professional background in tobacco plant pathology and entomology. She has worked for the TRB since 2003 and is currently the Assistant General Manager, Research & Extension. Susan also teaches at various Zimbabwean universities and has been active in several CORESTA SGTFs since 2006.

Secretary

Fabienne MORNET, JT International GmbH, Germany



Fabienne has an MSc in Agronomy from the National School of Agricultural Engineering of Bordeaux with a specialisation in Plant and Environment Protection. She joined JTI in 2012 and is working in the Global Supply Chain Agronomy Department as CPA Compliance Manager. She has been active in several CORESTA SGTFs and participated several times in Agrochemical Advisory Committee meetings as an observer.

Member

François DORLHAC, Imperial Tobacco, France



François holds a PhD in Plant Cell and Molecular Biology from University of Orsay. His current position is Leaf Research Manager for Imperial Tobacco in Bergerac, France. He has been working on tobacco since 1988 and is an expert in Molecular Breeding and GMO detection. François is coordinator of the Proficiency Testing for Detection of Transgenic Tobacco SG.

PHYTOPATHOLOGY & GENETICS STUDY GROUP *(continued)*

Member

Colin FISHER, University of Kentucky, USA



Colin has a PhD in Pathology from the University of Rhodesia. After working for the Tobacco Research Board in Zimbabwe and Universal Leaf Tobacco worldwide, he now works as a research scientist at the University of Kentucky. Colin currently leads the CORESTA TSNA SG and participates in other Agro-Phyto SGTFs.

SMOKE SCIENCE STUDY GROUP

President

Martin BLUMENSTOCK, British American Tobacco, Germany



Martin holds a PhD in analytical chemistry from the Technical University, Munich. During his 16 years of service for BAT he obtained experience on product technology & analysis and scientific & regulatory affairs. He is an active member in various national and regional technical committees and currently heads-up BAT's European and North African Analytical labs in Bayreuth, Germany.

Vice-President

Paul HARP, RAI Services Co., USA



Paul has a PhD in Pharmaceutical Sciences and is certified as a Diplomat of the American Board of Toxicology. He joined R.J. Reynolds Tobacco Co. in 2001 and is currently Director Product Integrity Stewardship at RAIS, where he leads various initiatives such as stewardship of tobacco heating products, and supports regulatory submissions. He has been a member of the CORESTA Agrochemical Advisory Committee since 2009.

Secretary

Rob STEVENS, ITG Brands, USA *(see opposite page)*

Member

Kei YOSHINO, Japan Tobacco Inc., Japan



Kei obtained a Master's degree in Veterinary Science and joined Japan Tobacco Inc. in 1990 as a toxicologist in the Pharmaceutical Division. He has been working in the Tobacco Division since 1999 and is currently Chief Scientist in the Scientific Product Assessment Center, R&D Group.

Member

Xavier CAHOURS, Imperial Tobacco-SEITA, France



Xavier has a PhD in Bio-Pharmaceutical Sciences. He has worked in a variety of positions in different science areas. Xavier is currently Product Research Senior Manager. He is also the secretary of the CORESTA Smoking Behaviour SG.

PRODUCT TECHNOLOGY STUDY GROUP

President

Karl WAGNER, Altria Client Services, USA



Karl has a PhD in Analytical Chemistry. He is a Senior Principal Scientist working in Regulatory Sciences at Altria Client Services. Karl has worked in the industry for 20 years in a variety of positions including contract lab management, product stewardship and analytical sciences. He is the Coordinator of the Tobacco and Tobacco Products Analytes SG and Administrator for the US Technical Advisory Group to ISO/TC 126.

Vice-President

Bin HU, Zhengzhou Tobacco Research Institute of CNTC, China



Bin obtained a PhD in analytical chemistry from the University of Science & Technology of China. He joined ZTRI of CNTC in 2006 and is currently senior engineer in tobacco chemistry. His research focuses mainly on agrochemical analysis and chromatography analysis.

Secretary

Bernhard EITZINGER, delfort, Austria



Bernhard obtained an MSc degree in mechanical and electrical engineering and a PhD in non-linear systems theory. He is the coordinator of the CORESTA Physical Test Methods SG and member of the Advisory Board of *Beiträge zur Tabakforschung*.

Member

Guy JACCARD, Philip Morris International, Switzerland



Guy holds a PhD in Physical Chemistry and has over 20 years of experience in tobacco industry. He is currently Principal Scientist, Product Stewardship at Philip Morris Int'l. He has been active within CORESTA since 1999 in diverse SGs and is currently a member of the Routine Analytical Chemistry SG. He is also a delegate or expert in several technical committees and international working groups related to Tobacco Products and e-cigarettes.

Member

Jutta PANI, Imperial Tobacco-Reemtsma, Germany



Jutta holds a Mag. rer. nat. in Chemistry/Food Chemistry from the University in Vienna. She has been working in tobacco industry for 18 years obtaining experience in tobacco science, product technology and analysis. Jutta is currently Manager Group Non-Routine Analysis and Physical Testing. She is active in several CORESTA SGs including Smoke Analytes, Tobacco and Tobacco Products Analytes, E-Vapour and was active in the Routine Analytical Chemistry and Cigar Smoking Methods SGs.

CORESTA SUB-GROUPS & TASK FORCES

CORESTA Administration

Disbanded: Task Force CORESTA Standards (STDS)

The Standards Task Force had been formed in 2011 to review existing procedures for the documentation of the scientific output of CORESTA and to develop and publish related guidelines and templates. Its mandate having been completed, the group was disbanded by the Scientific Commission.

The remaining objective regarding the development of document management systems has been handed over to the Project Management Office (PMO) Committee.

DISBANDED

CORESTA RECOMMENDED METHODS

Revised

- **CRM No. 56** – Determination of Water in Tobacco and Tobacco Products by Karl Fischer Method
(Third edition – August 2018) [TTPA-188-1-CRM-56]
- **CRM No. 57** – Determination of Water in Tobacco and Tobacco Products by Gas Chromatographic Analysis
(Second edition – August 2018) [TTPA-188-2-CRM-57]

CRM 56 and 57 were subject to a periodic technical and editorial review by the CORESTA Tobacco and Tobacco Products Analytes Sub-Group and updated with an additional r&R table from the study covered by the Technical Report 2018 *Moisture (Oven Volatiles), Water by Karl Fischer and Gas Chromatography Interlaboratory Study* [TTPA-171-1-CTR] so that cigars are included in the scope.

- **CRM No. 78** – Determination of Selected Phenolic Compounds in Mainstream Cigarette Smoke by HPLC-FLD
(Second edition – December 2018) [SMA-194-CRM-78]

CRM 78 was subject to a periodic technical and editorial review by the CORESTA Smoke Analytes Sub-Group and the r&R tables updated.

All CORESTA Recommended Methods can be downloaded in PDF format at www.coresta.org

CRM developed into ISO standard

The International Organization for Standardization (ISO) Technical Committee on Tobacco and Tobacco Products (TC 126) has published ISO 20768:2018 based on the CRM 81 - Routine Analytical Machine for E-Cigarette Aerosol Generation and Collection - Definitions and Standard Conditions:

- **ISO 20768:2018** – Vapour products -- Routine analytical vaping machine -- Definitions and standard conditions

CORESTA Recommended Methods having ISO equivalents now total 38, with four (CRMs 70, 72, 74 and 79) remaining under development by ISO.

CORESTA GUIDES

Revision - CORESTA Guide No. 5

Technical Guideline for Pesticide Residues Analysis on Tobacco & Tobacco Products (October 2018)
[AA-099-CTG-05]

CORESTA Guide No. 5 provides a framework for the creation of high-quality analytical methods for agrochemical residue testing. The document was subject to a periodic technical and editorial review by the CORESTA Agrochemical Analysis (AA) Sub-Group and updated accordingly.

Revision - CORESTA Guide No. 5 – Technical Notes

TN 001 – Maleic Hydrazide (October 2018) [AA-185-CTN0001]

The CORESTA Guide No. 5 includes a series of technical notes on compounds that require additional consideration to ensure satisfactory analysis. The Technical Note on maleic hydrazide was reviewed and updated by the Agrochemical Analysis (AA) Sub-Group.

CORESTA REPORTS

The following reports have been published on the CORESTA website at www.coresta.org:

- **2018 Moisture (Oven Volatiles), Water by Karl Fischer and Gas Chromatography Interlaboratory Study**
Technical Report [TTPA-171-1-CTR] – August 2018 (Sub-Group Tobacco and Tobacco Products Analytes Sub-Group)
In October 2017 the CORESTA Tobacco and Tobacco Products Analytes Sub-Group (TTPA) initiated an interlaboratory study for the determination of water by Karl Fischer method (KF), water by gas chromatography (GC), and moisture content (also referred to as oven volatiles or OV) in smokeless tobacco products, cigarette filler, and cigar filler. The purpose of this study was to support laboratory accreditations and to make a formal comparison of water and moisture results for a variety of tobacco products. The results of this study demonstrated that the CRMs 56 and 57 were also fit for the analysis of cigar filler. The TTPA Sub-Group recommended that the scope of the CRMs be updated to include the r & R data from this study, and also recommended to propose to ISO/TC 126 that the ISO standards be updated during the next systematic review cycle.
- **2018 Proficiency Study for Water Activity of Tobacco and Tobacco Products**
Technical Report [TTPA-172-1-CTR] – August 2018 (Sub-Group Tobacco and Tobacco Products Analytes)
In October 2017 CORESTA Tobacco and Tobacco Products Analytes Sub-Group (TTPA) also initiated a proficiency study for the determination of water activity in smokeless tobacco products, ground tobacco, cigarette filler, and cigar filler. The intent of the study was to assess the capability of the participating laboratories to measure water activity and to support laboratory accreditation. Water activity meters equipped with one or more sensor types were used. Measurements with tunable diode laser (TDL) sensors provided consistent results between labs for all products and the TTPA Sub-Group recommended that a future collaborative study be conducted focusing on the use of water activity meters equipped with TDL sensors and that a CRM be drafted.
- **Short-Term Variability of Commercial Cigarettes through Select Cigarette Constituent Testing**
Technical Report [CVAR-081-CTR] – September 2018 (Task Force Cigarette Variability)
Scientists measure tobacco and smoke constituents for a variety of reasons and in order to make science-based decisions, the scientific community needs to fully understand all aspects of the variability associated with these measurements, including those due to agricultural factors or due to factors related to commercial cigarette production. To meet this need, the Cigarette Variability (CVAR) Task Force was formed and has developed a three-phase study: Phase 1 focused on understanding the short-term (1 week) variability of commercial cigarette products, Phases 2 and 3 of the study focused on medium-term (1 year) and long-term (3 years) variability. This report focuses on the results for Phase 1 of the study.
- **4th Round Robin Test for Air Permeability Calibration Standards**
Technical Report [PTM-022-CTR] – October 2018 (Sub-Group Physical Test Methods)
The Sub-Group Physical Test Methods (PTM) organises a nominally annual series of round robin tests that is open to the member laboratories that have a calibration laboratory to compare their capability to calibrate standards used in physical test instrumentation. This testing provides a baseline of air permeability instrument performance across the industry and each laboratory is also able to use the result set in internal and external audit assessments. This report covers the results of the fourth round robin test on air permeability (AP) standards conducted between September 2015 and June 2018.
- **Inter-Laboratory Comparison Test Measuring Total NNAL in Human Urine**
Technical Report [BMK-092-CTR] – November 2018 (Sub-Group Biomarkers)
An inter-laboratory comparison study was performed by the Biomarkers (BMK) Sub-Group to determine the comparability of results reported from participating laboratories when analyzing total NNAL in human urine clinical samples. The results demonstrated that the assays employed provided consistent results within standard bioanalytical acceptance criteria when a single source of reference material is used for quantitation. However, an increased bias was observed when the standard calibrators separately prepared at each laboratory were used to perform the quantitation. This report provides the details of the comparison study and recommendations for future studies.
- **11th Collaborative Study (2018) for Physical Parameters of Cigarettes and Filters**
Technical Report [PTM-167-CTR] – November 2018 (Sub-Group Physical Test Methods)
The Physical Test Methods (PTM) Sub-Group carries out a normally annual inter-laboratory study on physical parameters of cigarettes and filters. This Collaborative Study monitors the repeatability and reproducibility of the test methods used to measure certain physical parameters of cigarettes and filters, such as weight, diameter, pressure drop, draw resistance and ventilation. The study results allow each laboratory to fulfill accreditation requirements, evaluate its performance in comparison to other laboratories, and to derive actions for improvement.

JOURNAL PUBLICATIONS

The Product Use Behaviour (PUB) Sub-Group had undertaken a literature review of all relevant e-cigarette use-behaviour studies published in peer reviewed journals with a view to producing a comprehensive knowledge base of all relevant work in the field [PUB-115-CXP]. The report was published as an external publication as follows:

A Review of Electronic Cigarette Use Behaviour Studies

X. Cahours⁽¹⁾, K. Prasad⁽²⁾

(1) Imperial Brands, Rue Danton, Fleury-les-Aubrais, 45404, France; (2) British American Tobacco, Regents Park Road, Southampton, SO15 8TL, United Kingdom

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<https://content.sciendo.com/view/journals/cttr/28/2/article-p81.xml>

DOI: 10.2478/cttr-2018-0009

CORESTA PROJECTS

The following projects were approved by the Scientific Commission and launched:

- **Project 190: Consumer Reported Outcome Measures (CROM) Consortium**
(New Task Force) - Approved October 2018
- **Project 196: Statement by AA SG related to ISO Resolution No. 94: ISO 4876 - MH analysis**
(Sub-Group Agrochemicals Analysis) - Approved September 2018
- **Project 197: 14th Round Robin Test on Pressure Drop Calibration Standards**
(Sub-Group Physical Test Methods) - Approved September 2018
- **Project 198: 2018 Cigar Collaborative Study: Smoke BaP and TSNAs**
(Sub-Group Smoke Analytes) - Approved November 2018
- **Project 200: Sustainability Goals and Scientific Methodologies for Impact Assessment**
(CORESTA) - Approved November 2018
- **Project 201: Editorial revision of CRM 53 (Determination of Paper Wrapper Burn Speed)**
(Sub-Group Physical Test Methods) - Approved November 2018
- **Project 202: Presentation at Next Generation Nicotine Delivery 2018 Conference in London, UK, November 2018**
(CORESTA Board) - Approved November 2018
- **Project 203: Presentation at Electronic Nicotine Delivery Systems 2019 Conference in London, UK, 4-6 June 2019**
(Sub-Group E-Vapour) - Approved December 2018



UPCOMING CORESTA MEETINGS (2019)

Meeting	Date	Location
Agrochemical Advisory Committee (ACAC)	14-15 January	Havana, Cuba
Scientific Commission	15-17 January	Havana, Cuba
Board	26-27 February	Geneva, Switzerland
SG In Vitro Toxicity Testing (IVT)	8 March	Baltimore, MD, USA
SG Physical Test Methods (PTM)	3 April	Orléans, France
SG E-Vapour (EVAP)	8 April	Richmond, VA, USA
SG Smoke Analytes (SMA)	9 April	Richmond, VA, USA
SG Tobacco and Tobacco Products Analytes (TTPA)	10 April	Richmond, VA, USA
SG Routine Analytical Chemistry (RAC)	11 April	Richmond, VA, USA
TF Cigarette Variability (CVAR)	12 April	Richmond, VA, USA
SMOKE SCIENCE and PRODUCT TECHNOLOGY STUDY GROUPS	6-10 October	Hamburg, Germany
AGRONOMY & LEAF INTEGRITY and PHYTOPATHOLOGY & GENETICS	13-17 October	Victoria Falls, Zimbabwe

Global Tobacco & Nicotine Forum (GTNF)

Golden Leaf Award to CORESTA: “Most Outstanding Service to the Industry”

During the Global Tobacco and Nicotine Forum (GTNF) held in London, 12-14 September 2018, CORESTA was honoured to receive one of the five *Tobacco Reporter* Golden Leaf Awards, sponsored exclusively by P.T. Bukit Muria Jaya (BMJ). It was at the Gala Dinner, in the prestigious Guildhall, in front of some 350 attendees, that CORESTA was distinguished as having provided the “Most Outstanding Service to the Industry.” This award brings recognition to the continuous work of all Sub-Groups, Task Forces and Committees of CORESTA in the many fields of research covered by the Association since 1956.



Award presented to Pierre-Marie Guitton by Liem Fung, Innovation Center Director at BMJ



London

CORESTA COMMUNICATION AT EXTERNAL EVENTS

Next Generation Nicotine Delivery (NGN 2018)

CORESTA participated for the second time in the Next Generation Nicotine Delivery (NGN) conference held 13-14 November, in London, UK.

CORESTA Secretary General, Pierre-Marie Guitton, was a speaker in a panel entitled “Designing suitable product standards fit for tomorrow’s products”. Rather than using a CORESTA presentation similar to that used at the ENDS 2018 conference in London or the Rhodia Acetow 11th Global Filter Colloquium in Freiburg, Pierre-Marie had very little time to introduce CORESTA prior to the Questions and Answers part of the panel. He presented the current status of e-cigarette standards at national, European and International level, emphasizing that ISO 20728, derived from the CORESTA Recommended Method (CRM) 81, was the first and only existing international standard for these products, despite the “vaping” industry being almost ten years old. Other standards are in the pipeline but such developments take time and consensus is required. He was not granted time to explain the CRM development process he had prepared but the audience did manage to see the slides and Pierre-Marie had the opportunity to comment on these afterwards. In the Question & Answer section, he focused on the need for analytical standards in order to have comparable and reliable values, commenting that device safety was only one of the many factors to be considered. Manufacturers need to make sure that the information they announce, for example, nicotine concentration in liquids, is the actual value – this is to ensure a) compliance with regulations and b) consumer confidence in their products.



The above presentation can be viewed in the Information/CORESTA Communication section of the CORESTA website.

CORESTA IN THE PRESS

Revue des Tabacs

The French tobacco magazine *Revue des Tabacs* featured an interview of the CORESTA Secretary General, Pierre-Marie Guitton, in its October 2018 issue (No. 667), pages 26-28. The article, in French, entitled “La voix de la science” (The voice of science), reported on the purpose and work focus of CORESTA, the outlook for the future, and CORESTA’s history and membership facts and figures. Pierre-Marie Guitton emphasised that CORESTA “was not the voice of the tobacco industry, but the voice of science.” There was also mention of the Di@gnoplant app, the tobacco disease diagnostic tool created by INRA with input from the CORESTA network.



HEATED TOBACCO PRODUCTS: A CORESTA WORKSHOP

Paris, France – 26 March 2019

Whether they are called Heated Tobacco, Tobacco Heated, Heat-not-Burn or Non-Combusted Tobacco Products, interest from many CORESTA Members and non-Members is growing to embrace these new alternatives to conventional cigarettes. These products have come to the forefront within the scientific, health and regulatory bodies. Studies have been published, scientific conclusions differ.

An open discussion meeting held during the CORESTA Congress in Kunming (see pg. 4) showed that further work remains to be conducted to provide better understanding of all issues, and robust data is needed to help make science-based decisions in terms of devices, components and product use patterns.

CORESTA considers that it must capitalize on its global scientific skills and expertise in helping with the understanding and characterisation of these products, in cooperation with all stakeholders.

A one-day workshop will be convened on Tuesday, March 26th, 2019, in Paris, France, to discuss a range of issues related to these products. More details will be provided in due time. Nevertheless, all interested parties will be able to register via the CORESTA website.

Acronyms / Abbreviations used in the Newsletter

AA	Agrochemicals Analysis	MH	Maleic Hydrazide
ACAC	CORESTA Agrochemical Advisory Committee	OV	Oven Volatiles
ANPRM	Advanced Notice of Proposed Rulemaking	PMO	Project Management Office
AP	Air Permeability	PTM	Physical Test Methods
APIC	Agro-Phyto Information Collection	PUB	Product Use Behaviour
BMK	Biomarkers	PVY	Potato Virus Y
CECCM	Confederation of European Community Cigarette Manufacturers	R&D	Research & Development
CNTC	China National Tobacco Corporation	r & R	repeatability & Reproducibility
CPA	Crop Protection Agent	RAI	Reynolds American Incorporated
CRM	CORESTA Recommended Method	RNA	Ribonucleic acid
CVAR	Cigarette Variability	SC	Scientific Commission
ECMA	European Cigar Manufacturers' Association	SG	Sub-Group
ERT	European Registered Toxicologist	SGTF	Sub-Group and Task Force
FDA	Food and Drug Administration (USA)	SMA	Smoke Analytes
FTIR	Fourier Transform Infrared	SRA	Scientific and Regulatory Affairs
GC	Gas Chromatography	SSPT	Smoke Science & Product Technology
GMO	Genetically Modified Organism	SWM	Schweitzer-Mauduit
GRL	Guidance Residue Level	TDL	Tunable Diode Laser
GTNF	Global Tobacco & Nicotine Forum	TF	Task Force
HTP	Heated Tobacco Product	TRB	Tobacco Research Board
INRA	Institut national de la recherche agronomique (France)	TSNA	Tobacco Specific Nitrosamines
IPM	Integrated Pest Management	TSWV	Tomato Spotted Wilt Virus
ISO	International Organization for Standardization	TTPA	Tobacco and Tobacco Products Analytes
ISO/TC 126	ISO Technical Committee on Tobacco and Tobacco Products	UK	United Kingdom
JTI	Japan Tobacco International	US	United States
KF	Karl Fischer	USA	United States of America
		ZTRI	Zhengzhou Tobacco Research Institute

*The CORESTA staff wishes you
a Joyful Christmas, a Relaxing Holiday Season
and a Happy and Successful New Year 2019*

