



2014 CORESTA CONGRESS - Quebec City, Canada - 12-16 October 2014

LIST OF ORAL / POSTER PRESENTATIONS

17/10/2014

Group	Num	Session	Abstract Title	Authors	Source
IG	01	Plenary	Determination of geographical origin of flue-cured tobacco leaves	MASSICOTTE E.	Canada Border Services Agency, Ottawa, ON, Canada
IG	02	Plenary	Adult and youth smoking rates, a measure of the effectiveness of tobacco product regulation?	STOTESBURY S.J.(1); McCORMICK C.(1); VERRON T.(2); HUNTER H.S.(1)	(1) Imperial Tobacco Ltd, Bristol, U.K.; (2) Imperial Tobacco Group, SEITA, Fleury-les-Aubrais, France
IG	03	Plenary	Cadmium in tobacco leaves, and the potential for its reduction	WAGNER G.J.	University of Kentucky, KTRDC, Lexington, KY, U.S.A.
AP	01	TSNA	Reducing TSNA in Burley tobaccos through alteration of the N-assimilation pathway	DEWEY R.E.; LU J.; LEWIS R.S.; ZHANG L.	North Carolina State University, Raleigh, NC, U.S.A.
AP	02	TSNA	Excessive heat during curing influences TSNA levels in dark fire-cured tobacco	BAILEY W.A.; PITT W.D.	University of Kentucky, Research and Education Center, Princeton, KY, U.S.A.
AP	03	TSNA	Preliminary investigation of curing environment and TSNA accumulation within barns in dark air-cured tobacco	RICHMOND M.D.; BAILEY W.A.; PEARCE R.C.	University of Kentucky, Research and Education Center, Princeton, KY, U.S.A.
AP	04	TSNA	Effect of nitrate levels in tobacco leaves on TSNA formation during storage	SUN Wenshu(1); SHI Hongzhi(1); ZHOU Jun(2); MA Yanjun(2); YANG Huijuan(1); Ji H.(3); BAI Ruoshi(2); JACK A.M.(3)	(1) Henan Agricultural University, China National Tobacco Cultivation & Physiology & Biochemistry Research Center, Key Laboratory for Cultivation of Tobacco Industry, Zhengzhou, P.R. China; (2) Beijing Cigarette Factory of Shanghai Tobacco (Group) Co., Beijing, P.R. China; (3) University of Kentucky, Lexington, KY, U.S.A.
AP	05	Nematodes	Reproduction of <i>M. arenaria</i> on flue-cured tobacco homozygous for Rk1 and/or Rk2 resistance genes, and possible effects of soil temperature on resistance	POLLOK J.R.(1,2); JOHNSON C.S.(1,2); EISENBACK J.D.(2); REED T.D.(1)	(1) Virginia Tech, Southern Piedmont Agriculture Research and Extension Center, Blackstone, VA, U.S.A.; (2) Virginia Tech Dept. Plant Pathology, Physiology, & Weed Science, Blacksburg, VA, U.S.A.
AP	06	Nematodes	Resistant cultivars: a sustainable management option for the tobacco root-knot nematode in Zimbabwe	MAHERE T.S.; MAKUNDE P.T.; CHINHEYA C.; DIMBI S.	Tobacco Research Board, Harare, Zimbabwe
AP	07	Nematodes	Comparative tests among nematode agrochemicals and alternative products on Virginia Bright tobacco	MILLI G.(1); BARGIACCHI E.(2); MIELE S.(2)	(1) Fattoria Autonoma Tabacchi, Città di Castello, Italy; (2) Consortium INSTM, Firenze, Italy
AP	08	Nematodes	Root-knot nematode control on tobacco: alternatives to fumigant	MAKUNDE P.T.; MAHERE T.S.; DIMBI S.	Tobacco Research Board, Harare, Zimbabwe
AP	09	Fungal Diseases	Investigation of black shank resistance and agronomic performance of flue-cured tobacco lines and hybrids carrying the introgressed <i>Nicotiana rustica</i> region, Wz.	DRAKE-STOWE K.(1); MOORE J.M.(2); BERTRAND P.(2); FORTNUM B.(3); PETERSON P.(3); LEWIS R.S.(1)	(1) North Carolina State University, Raleigh, NC, U.S.A.; (2) University of Georgia, Tifton, GA, U.S.A.; (3) Clemson University, Florence, SC, U.S.A.
AP	10	Fungal Diseases	Black shank resistance and leaf surface chemistry of flue-cured breeding lines nearly-isogenic for QTLs of Beinhart 1000 origin	MA J.M.; STEEDE T.; LEWIS R.S.	North Carolina State University, Raleigh, NC, U.S.A.
AP	11	Fungal Diseases	Potential new black shank fungicides for tobacco: 2009, 2011-2013 Virginia results	JOHNSON C.S.	Virginia Tech, Southern Piedmont Agriculture Research and Extension Center, Blackstone, VA, U.S.A.
AP	12	Fungal Diseases	Survival of floatbed <i>Pythium</i> -infected tobacco seedlings in the field and their yield potential	SIGOBODHLA T.E.; DIMBI S.	Tobacco Research Board, Harare, Zimbabwe
AP	13	Fungal Diseases	Foliar applications of WG®CONTANS against <i>Sclerotinia sclerotiorum</i> on tobacco crop	KANE K.(1); CAILLETEAU B.(2)	(1) ARVALIS Institut du Végétal, Bergerac, France; (2) Imperial Tobacco Group, Institut du Tabac, Bergerac, France
AP	17	Virus Diseases	Effect of planting date on the incidence of aphid-transmitted virus diseases on tobacco in Zimbabwe	DIMBI S.; SIGOBODHLA T.E.	Tobacco Research Board, Harare, Zimbabwe
AP	18	Virus Diseases	Potato virus Y (PVY) incidence on tobacco in Zimbabwe – trends in the last decade	SIGOBODHLA T.E.; DIMBI S.	Tobacco Research Board, Harare, Zimbabwe
AP	19	Breeding	Building on historic achievements: a glance at the past decade of tobacco breeding in Zimbabwe	SHAVA J.G.; MUDZENERERERE E.T.	Tobacco Research Board, Harare, Zimbabwe
AP	20	Breeding	Comparison of transcriptomes and gene expression profiles of two chilling- and drought-tolerant and intolerant <i>Nicotiana tabacum</i> varieties under low temperature and drought stress	HAO D.H.(1); MA W.G.(2); SHENG Y.L.(1); ZHANG J.B.(1); JIN Y.F.(1); YANG H.Q.(1); LI Z.G.(1); WANG S.S.(1); GONG M.(1)	(1) Yunnan Normal University, School of Life Sciences, Kunming, P.R. China; (2) Yunnan Academy of Tobacco Agricultural Sciences, Kunming, P.R. China
AP	21	Breeding	Breeding for multiple disease resistance in dark tobacco in Zimbabwe	MUDZENERERERE E.T.; SHAVA J.G.	Tobacco Research Board, Harare, Zimbabwe
AP	22	Breeding	Mapping of two white stem genes in tetraploid common tobacco (<i>Nicotiana tabacum</i> L.)	WU Qingzhang; WU Xinru; ZHANG Xuefeng; JIANG Caihong; WANG Yuanyang; LIU Guanshan	Chinese Academy of Agricultural Sciences, Tobacco Research Institute, Qingdao, P.R. China
AP	23	Breeding	Identification of maternal haploids of <i>N. tabacum</i> aided by transgenic expression of green fluorescent protein	HANCOCK W.G.; KERNODLE S.P.; LEWIS R.S.	North Carolina State University, Raleigh, NC, U.S.A.



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AP	24	Breeding	Effect of growth temperature on polyphenol content and metabolism in tobacco (<i>Nicotiana tabacum</i> L.) leaves	DUAN S.Z.(1); LI J.Y.(2); WANG S.S.(1); HAO D.H.(1); JIN Y.F.(1); YANG L.Y.(1); WANG L.T.(1); MA J.H.(1); GONG M.(1)	(1) Yunnan Normal University, School of Life Sciences, Kunming, P.R. China; (2) Yunnan Academy of Tobacco Agricultural Sciences, Kunming, North Carolina State University, Raleigh, NC, U.S.A.
AP	25	Breeding	Development of an improved Burley variety with enhanced blue mold resistance	DLUGE K.; DEWEY R.E.; LEWIS R.S.	North Carolina State University, Raleigh, NC, U.S.A.
AP	26	Breeding	Dynamic changes on gene expression of sucrose and starch pathway in the reduced starch accumulation responded to the light attenuation in <i>Nicotiana tabacum</i> leaves	YANG Huijuan; WANG Hongli; WANG Jing; SHI Hongzhi	Henan Agricultural University, China National Tobacco Cultivation & Physiology & Biochemistry Research Center, Zhengzhou, P.R. China
AP	27	Fertilisation / Curing	Evaluation of nitrogen application timings on yield, quality, and sucker control in flue-cured tobacco	FISHER L.(1); DRAKE M.(2); VANN M.C.(1)	(1) North Carolina State University, Raleigh, NC, U.S.A.; (2) Universal Leaf NA, Nashville, NC, U.S.A.
AP	28	Fertilisation / Curing	Alternative fertilizer rates and programs in the north western Piedmont region of North Carolina	VANN M.C.; CHEEK J.	North Carolina State University, Raleigh, NC, U.S.A.
AP	30	Fertilisation / Curing	In pursuit of greener curing methods: use of the rocket barn for tobacco curing in Zimbabwe	MUNANGA W.	Tobacco Research Board, Harare, Zimbabwe
AP	31	Entomology	From the green to the red morph – the changing faces of the tobacco aphid, <i>Myzus persicae nicotianae</i> in Zimbabwe	MASUKWEDZA R.; DIMBI S.	Tobacco Research Board, Plant Health Services Department, Kutsaga Research Station, Harare, Zimbabwe
AP	32	Entomology	Field performance of soil and spray applications of Chlorantraniliprole 5 SC® against the tobacco budworm on Burley and flue-cured tobacco in Malawi	MSANGO-SOKO K.R.	Agricultural Research and Extension Trust (ARET), Lilongwe, Malawi
AP	33	Entomology	Is low-oxygen controlled atmosphere applicable to phosphine-resistant cigarette beetles?	FUKAZAWA N.; IMAI T.	Japan Tobacco Inc., Leaf Tobacco Research Center, Oyama, Tochigi, Japan
AP	34	Weeds / Bacterial Disease	<i>Striga gesnerioides</i> on tobacco (<i>Nicotiana tabacum</i>) in Zimbabwe	KOGA C.(1); GARWE D.(1); MWENJE E.(2); RUKUNI D.(1)	(1) Tobacco Research Board, Harare, Zimbabwe; (2) Bindura University of Science Education, Bindura, Zimbabwe
AP	35	Weeds / Bacterial Disease	Screening, identification and characterisation of an <i>Arthrobacter</i> sp. strain MC-10 capable of degrading quinclorac	CHEN Dexin(1); ZHANG Shun(1,2); HUANG Guolian(3); XU Jialai(4); LI Bin(5); LI Hongguang(3)	(1) Qingzhou Tobacco Research Institute of CNTC, Qingdao, P.R. China; (2) Chinese Academy of Agricultural Sciences, Graduate School, Beijing, P.R. China; (3) Hunan Chenzhou Tobacco Company, Chenzhou, P.R. China; (4) Shandong Tobacco Research Institute, Ji'nan, P.R. China; (5) Sichuan Tobacco Company, Chengdu, P.R. China
AP	36	Weeds / Bacterial Disease	Using flue-cured tobacco in a cropping rotation to reduce Palmer amaranth populations	VANN M.C.; INMAN M.	North Carolina State University, Raleigh, NC, U.S.A.
AP	37	Weeds / Bacterial Disease	Breeding of multi-disease resistant Burley variety with intensified bacterial wilt resistance	NAKAMURA T.	Japan Tobacco Inc., Leaf Tobacco Research Center, Oyama, Tochigi, Japan
AP	38	Weeds / Bacterial Disease	Identification of benzoic acid and 3-phenylpropanoic acid in tobacco root exudates (TRE) and their role in the growth of rhizosphere microorganisms	LIU Yanxia; LI Xiang; CAI Liuti; SHI Junxiang	Guizhou Academy of Tobacco Science, Guiyang, P.R. China
AP	40	Production Aspects	Survey on heavy metal and radionuclides in soils and tobacco grown in Central Italy. Preliminary results of RI.ME.PE. project	MIELE S.(1); BARGIACCHI E.(1); MILLI G.(2)	(1) Interuniversity Italian Consortium for Science and Technology of Materials (INSTM), Florence, Italy; (2) Fattoria Autonoma Tabacchi, Città di Castello, Perugia, Italy
AP	41	Production Aspects	Leaf biomass and heavy metals uptake of different flue-cured tobacco varieties under heavy metal contamination	LI Xiaoting; CHANG Shourong; XU Jie; RAO Junchen; ZHU Haibin; ZI Wenhua; JIANG Meihong	Yunnan Reascend Tobacco Technology (Group) Co., Ltd, Kunming, Yunnan, P.R. China
AP	42	Production Aspects	The effect of conveyor use during sucker control application in North Carolina produced flue-cured tobacco	VANN M.C.	North Carolina State University, Raleigh, NC, U.S.A.
AP	43	Production Aspects	Optimisation of canopy architecture of field-grown tobacco based on three-dimensional modeling	XU Zhaoli(1); YANG Yuhong(1); HOU Tongyu(2); GUO Yan(2)	(1) Yunnan Academy of Tobacco Agricultural Sciences, Kunming, Yunnan, P.R. China; (2) China Agricultural University, College of Resources and Environment, Beijing, 100193, P.R. China
AP	45	Seeds & Seedlings	Soilless media for tobacco (<i>Nicotiana tabacum</i>) seedling production in Zimbabwe – widening the options	KOGA C.; RUKUNI D.	Tobacco Research Board, Harare, Zimbabwe
AP	46	Seeds & Seedlings	Mitigating salt injury in the tobacco float transplant production system in Zimbabwe	RUKUNI D.; KOGA C.	Tobacco Research Board, Harare, Zimbabwe
AP	47	Seeds & Seedlings	Evaluation of a prototype plastic float tray for greenhouse tobacco transplant production	REED T.D.	Virginia Tech, Southern Piedmont Agriculture Research and Extension Center, Blackstone, VA, U.S.A.
AP	48	Seeds & Seedlings	Pre-chilling improves tobacco (<i>Nicotiana tabacum</i> L.) seed germination	RUKUNI D.; MUKARATI T.H.	Tobacco Research Board, Harare, Zimbabwe
AP	49	Miscellaneous	Addressing hazardous child labour and creating decent youth employment in agriculture	HURST P.; VELAZQUEZ S.C.; McCOY N.; MUGWAGWA I.	Eliminating Child Labour in Tobacco Growing Foundation, Carouge, Geneva, Switzerland
AP	50	Miscellaneous	Natural variation in the acyl moieties of sugar esters produced by glandular trichomes in species of <i>Nicotiana</i> and <i>Petunia</i>	MIHAYLOVA-KROUMOVA A.; ZAITLIN D.; WAGNER G.J.	University of Kentucky, KTRDC, Lexington, KY, U.S.A.



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AP	51	Miscellaneous	Degradation and residue levels of triadimefon and its toxic metabolite in tobacco leaf	LI Yiqiang(1); YANG Liqiang(1,2); LIU Wanfeng(3); XU Guangjun(1); SUN Jianhong(2); CAO Shoutao(2); GAO Yun(2); XU Jinli(1); ZHENG Xiao(1)	(1) Qingzhou Tobacco Research Institute of China National Tobacco Corporation, Qingdao, Shandong, P.R. China; (2) China Tobacco Shandong Industrial Co., Ltd, Jinan, Shandong, P.R. China; (3) China Tobacco Hunan Industrial Co., Ltd, Changsha, Hunan, P.R. China
AP	52	Miscellaneous	Global crop protection: regulation, stewardship and outreach	PEREZ-FERNANDEZ P.(1); SCHUSTER F.(1); CARUSO L.V.(2)	(1) Agrobase-Logigram (SARL), Archamps, France; (2) JT International S.A., Scientific & Regulatory Affairs, Geneva, Switzerland
APPOST	01	Poster AP	Evaluation of mustard bran soil amendments for the control of root-lesion nematode (<i>Pratylenchus penetrans</i>) and effects on selected soil fungi in flue-cured tobacco production in Ontario, Canada	BRAMMALL R.A.; SAUDE C.; SHEARER A.D.; VAN HOOREN D.L.	Canadian Tobacco Research Foundation, Tillsonburg, ON, Canada
APPOST	02	Poster AP	Evaluation of two flue-cured tobacco F1 hybrids with different sources of male sterile cytoplasm	AMANKWA G.A.; MISHRA S.; SHEARER A.D.; VAN HOOREN D.L.	Canadian Tobacco Research Foundation, Tillsonburg, ON, Canada
APPOST	03	Poster AP	Agrobacterium T-DNA in <i>Nicotiana tomentosiformis</i> and other <i>Nicotiana</i> species	CHEN K.(1); DORLHAC DE BORNE F.(2); SZEGEDI E.(3); OTTEN L.(1)	(1) Department of Molecular Mechanisms of Phenotypic Plasticity, Institut de Biologie Moléculaire des Plantes du C.N.R.S., Strasbourg, France; (3) Imperial Tobacco Group, Institut du Tabac, Bergerac, France; (2) National Agricultural Research and Innovation Centre (NARIC), Research Institute for Viticulture and Enology, Experimental Station of Kecskemét, Hungary
APPOST	04	Poster AP	The Pesticide Approval Scheme Service: reducing Zimbabwe's environmental footprint	DIMBI S.; MASUKWEDZA R.	Tobacco Research Board, Harare, Zimbabwe
APPOST	05	Poster AP	Biological and serological characterisation of PVY isolates from Central Europe	KORBECKA G.; CZUBACKA A.; PRZYBYS M.	Institute of Soil Science and Plant Cultivation - State Research Institute, Pulawy, Poland
APPOST	06	Poster AP	Phylogenetic analysis of PVY isolates	PRZYBYS M.; DOROSZEWSKA T.; KORBECKA G.	Institute of Soil Science and Plant Cultivation - State Research Institute, Pulawy, Poland
APPOST	07	Poster AP	Long-term water deficit imposed by air drought or chilling stress modifies the regulation of proline metabolism in <i>Nicotiana tabacum</i>	WANG S.S.(1); YANG H.Q.(1); ZHANG J.B.(1); HAO D.H.(1); MA W.G.(2); ZHENG Y.Y.(2); GONG M.(1)	(1) Yunnan Normal University, School of Life Sciences, Kunming, P.R. China; (2) Yunnan Academy of Tobacco Agricultural Sciences, Kunming, Yunnan Reascend Tobacco Technology (Group) Co., Ltd, Kunming, Yunnan, P.R. China
APPOST	12	Poster AP	Sunshine duration response on density of tobacco leaves by partial least-square regression	LI Wenjuan; WANG Juan; BAO Chongyan; LIANG Xiaoqin; ZHANG Xiaolong; LIU Weijuan	Tobacco Research Board, Harare, Zimbabwe
APPOST	13	Poster AP	Improving tobacco yield estimating models through remote sensing based crop variable assessment techniques	SHAMUDZARIRA M.C.; SVOTWA E.; MANYANGARIRWA W.	Tobacco Research Board, Harare, Zimbabwe
APPOST	14	Poster AP	Remote sensing: a new tool for confirming tobacco legislated dates compliance in Zimbabwe	SHAMUDZARIRA M.C.	Tobacco Research Board, Harare, Zimbabwe
APPOST	15	Poster AP	Six decades later: tobacco research remains the backbone of the tobacco industry in Zimbabwe	GARWE D.	Tobacco Research Board, Harare, Zimbabwe
APPOST	16	Poster AP	Addressing the deforestation dilemma in Malawi	OFESI H.K.T.	Agricultural Research and Extension Trust (ARET), Lilongwe, Malawi
APPOST	17	Poster AP	Impact of flowery fallows, crop rotation and intermediate nitrate trap crops on pest pressure in tobacco	KANE K.(1); SRAKA Y.(2); LECARPENTIER C.(2); VIELLEDENT P.(2)	(1) ARVALIS Institut du Vegetal, Bergerac, France; (2) IUT Périgueux, Université Bordeaux IV, Département Génie Biologique, Périgueux, France
APPOST	24	Poster AP	The difference of cadmium tolerance in two varieties of <i>Nicotiana tabacum</i> L. and effect of exogenous abscisic acid on cadmium accumulation in <i>Nicotiana tabacum</i> L.	DENG Xiaopeng(1); XU Zhaoli(1); HE Lian(2); XIA Yan(2); SHEN Zhenguo(2)	(1) Yunnan Academy of Tobacco Agricultural Sciences, China Tobacco Breeding Research (Southern) Center, Kunming, P.R. China; (2) Nanjing Agricultural University, College of Life Sciences, Nanjing, P.R. China
APPOST	25	Poster AP	Measurement uncertainty in agrochemical residue datasets	WANG E.J.(1); CARUSO L.V.(2)	(1) JT Tobacco International Taiwan Corp., Taipei, Taiwan; (2) JT International S.A., Geneva, Switzerland
APPOST	26	Poster AP	The growing non-tariff trade-barriers can be overcome with transparency	PEREZ-FERNANDEZ P.; SCHUSTER F.	Agrobase-Logigram (SARL), Archamps, France
APPOST	27	Poster AP	How do traps placed at five-meter intervals contribute to detecting a beetle's nest?	SASAKI R.; KAGAMI C.	Ecomone Div., Fuji Flavor Co., Ltd, Tokyo, Japan
APPOST	29	Poster AP	Dissection of genetic overlaps between brown spot and black shank disease resistances in tobacco (<i>Nicotiana tabacum</i> L.) line Beinhart 1000	JIANG Caihong; WANG Yuanying; GAO Tingting; YANG Aiguo; CHENG Lirui; REN Min; FENG Quanfu; LUO Chenggang	Chinese Academy of Agricultural Sciences, Qingzhou Tobacco Research Institute of CNTC, Key Laboratory for Tobacco Gene Resources, Qingdao, P.R. China
ST	01	Smoke Chemistry 1	Stalk position effect on harmful and potentially harmful cigarette smoke constituents in Burley tobacco: a case study	VERRIER J-L.(1); DESTRUHAUT S.(2); COLARD S.(3)	(1) Imperial Tobacco Group, Institut du Tabac, Bergerac, France; (2) Imperial Tobacco Group, SEITA, Fleury-les-Aubrais, France; (3) Imperial Tobacco Ltd, Bristol, U.K.
ST	02	Smoke Chemistry 1	Optimisation of testing scheme by associating smoking data with cigarette burning model	COLARD S.	Imperial Tobacco Ltd, Bristol, U.K.
ST	03	Smoke Chemistry 1	Determination of tobacco specific nitrosamines (TSNAs) in tobacco and tobacco smoke by GC-MS/MS	SHAH N.; SMITH T.; FLORA J.W.; MERUVA N.	Altria Client Services Inc., Richmond, VA, U.S.A.



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ST	04	Smoke Chemistry 1	Determination of fifteen primary and heterocyclic aromatic amines in mainstream cigarette smoke using liquid chromatography-mass spectrometry (LC-MS/MS)	SPOKES M.	Essentra Scientific Services, Jarrow, Tyne and Wear, U.K.
ST	05	LIP Testing	Comparison of Full Length Burn testing according to ISO 12863 and the proposed alternative by NIST Laboratories, USA	MAYR M.	Papierfabrik Wattens GmbH & Co. KG / delfortgroup AG, Wattens, Austria
ST	07	LIP Testing	Manufacture and Analysis of CORESTA Ignition Propensity Monitor Test Piece CM IP 2	JACCARD G.	Philip Morris International Management SA, Neuchâtel, Switzerland
ST	08	LIP Testing	CORESTA Recommended Method No. 77	MAYR M.(1); CORESTA PTM Sub-Group and Diffusivity Working Group Members(2)	(1) Papierfabrik Wattens GmbH & Co. KG / delfortgroup AG, Wattens, Austria; (2) Various origins
ST	09	Challenges in Testing P	Impact of reducing the number of analysis replicates prescribed by the Canadian Tobacco Reporting Regulations on the level of information obtained from cigarette emission testing	VOISINE R.(1); ERRINGTON G.(2); McADAM K.G.(2)	(1) Imperial Tobacco Canada Ltd, Montréal, QC, Canada; (2) British American Tobacco, Group R&D, Southampton, U.K.
ST	10	Challenges in Testing P	Fine-cut tobacco smoke analysis: learnings from collaborative studies	MARX F.P.	European Smoking Tobacco Association (ESTA), Brussels, Belgium
ST	11	Challenges in Testing P	Investigations on cigar burning and yields under different smoking intensities	MUELLER C.(1); COLARD S.(2)	(1) Imperial Tobacco Group, Reemtsma Cigarettenfabriken GmbH, Hamburg, Germany; (2) Imperial Tobacco Ltd, Bristol, U.K.
ST	12	Challenges in Testing P	E-cigarette vaping machine vs. conventional smoking machine – a compendium of differences in requirements and technology in regards to ISO 3308	ROSE N.	Borgwaldt KC GmbH, Hamburg, Germany
ST	13	Challenges in Testing P	The Quality Standard – GothiaTek®	LINDHOLM J.; HEDIN A.; HASSLER T.; RUTQVIST L.E.	Swedish Match North Europe AB, Research & Development, Stockholm, Sweden
ST	14	Challenges in Testing P	Water pipe tobacco smoking – from the first idea to an international standard	HAHN J.(1); ROSE N.(2)	(1) Chemisches und Veterinäruntersuchungsamt Sigmaringen, Sigmaringen, Germany; (2) Borgwaldt KC GmbH, Hamburg, Germany
ST	15	Toxicity	Evaluation of the EpiOral™ reconstructed human oral buccal tissue model as a testing platform for determining the oral irritation potential of tobacco products	RAABE H.; BARNES N.; HILBERER A.	Institute for In Vitro Sciences, Inc., Gaithersburg, MD, U.S.A.
ST	16	Toxicity	Loss of heterozygosity analysis of Tk mutants induced by cigarette smoke condensates and their chemical components in L5178Y mouse lymphoma cells	KANEMARU Y.; SAWAMOTO Y.; TANAKA H.; FUKUSHIMA T.; SOFUNI T.	Japan Tobacco Inc., Tobacco Science Research Center, Yokohama, Kanagawa, Japan
ST	17	Toxicity	Differentiating the effects of exposure to combustible and non-combustible tobacco product preparations using in vitro and ex vivo models	PRASAD G.L.(1); ZACHARIAS W.(2); ARIMILLI S.(3)	(1) R.J. Reynolds Tobacco Company, Winston-Salem, NC, U.S.A.; (2) University of Louisville, Louisville, KY, U.S.A.; (3) Wake Forest University Baptist Health, Winston-Salem, NC, U.S.A.
ST	18	Toxicity	Subchronic rodent inhalation study of e-vapor formulations	WERLEY M.S.; JEROME A.M.; LANGSTON T.B.; OLDHAM M.J.; LILLY P.D.; MCKINNEY W.J.	Altria Client Services Inc., Richmond, VA, U.S.A.
ST	19	Workshop - Cigarette D	Key design parameters of cigarettes for smoke yield reduction	EITZINGER B.	delfortgroup AG, Traun, Austria
ST	20	Workshop - Cigarette D	Evolution of cigarette design versus 10/1/10 cigarettes and LIP regulations	DUROT N.(1); TARDIF N.(1); ZIMNY S.(1); LE MOIGNE C.(1); LOUREAU J.-M.(2); RAVERDY-LAMBERT D.(1)	(1) SWM Intl, c/o LTR Industries, Usine Le Mans, Allonnes, France; (2) SWM Intl, c/o Papeteries de Mauduit, Kerisole, Quimperlé, France
ST	21	Workshop - Cigarette D	The influence of cigarette filter design on the yield and composition of cigarette smoke	TAYLOR M.J.	Essentra Scientific Services, Jarrow, Tyne and Wear, U.K.
ST	22	Cigarette Design 1	Cellulosic fibres for cigarette paper production: thermal characteristics and their implications pertaining to cigarette smoking	WEN Siru; CHEN Yuxiang	Mudanjiang Hengfeng Paper Co., Ltd, Mudanjiang, P.R. China
ST	23	Cigarette Design 1	Effect of cigarette paper pore structure characteristics on carbon monoxide release in mainstream smoke during cigarette burning process	YIN Donghong; LUO Wei; DING Duo; CHEN Zeliang; ZHONG Kejun; REN Jianxin	China Tobacco Hunan Industrial Co., Ltd of CNTC, Research and Development Center, Changsha, Hunan, P.R. China
ST	24	Cigarette Design 1	Carbon monoxide (CO) diffusion through cigarette paper	WANNA J.	SWM Intl, Alpharetta, GA, U.S.A.
ST	25	Cigarette Design 1	Leak-based method for measurement of low air permeability of cigarette papers	COLARD S.(1); CHOLET G.(2); TESTUD M.(2)	(1) Imperial Tobacco Ltd, Bristol, U.K.; (2) Sodim SAS, Fleury-les-Aubrais, France
ST	26	Sources of Variability	Contribution of manufacturing to variability in cigarette constituent levels	HANNA S.N.(1); MORGAN W.T.(2); ROWE J.M.(2); OGDEN M.W.(1)	(1) RAI Services Company, Winston-Salem, NC, U.S.A.; (2) R.J. Reynolds Tobacco Company, Winston-Salem, NC, U.S.A.
ST	27	Sources of Variability	Measurement and variability of tobacco-specific nitrosamines content in the 3R4F reference cigarette filler	GILLMAN I.G.; BROWN S.S.	Enthalpy Analytical, Inc., Durham, NC, U.S.A.
ST	28	Sources of Variability	Within laboratory variance outlier detection	MORTON M.J.	Altria Client Services Inc., Richmond, VA, U.S.A.
ST	29	Sources of Variability	Product comparison: the risk associated with multiple testing	VERRON T.(1); CAHOURS X.(1); COLARD S.(2)	(1) Imperial Tobacco Group, SEITA, Fleury-les-Aubrais, France; (2) Imperial Tobacco Ltd, Bristol, U.K.



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ST	30	Sources of Variability	Information on the cooperative agreement between the Center for Tobacco Products and the University of Kentucky to develop a "Cigarette Tobacco Reference Product Program"	CHAMBERS O.; JI H.; GEARY J.	University of Kentucky, KTRDC, Lexington, KY, U.S.A.
ST	31	Selective Filtration	CelFX™ Matrix Technology super slim filter comparison with commercial carbon filters	ROBERTSON R.M.	Celanese, Narrows, VA, U.S.A.
ST	32	Selective Filtration	Impact of carbon particle size and pressure drop of the CelFX™ Matrix Technology Section on carbonyl reduction at constant total cigarette pressure drop	BASU S.	Celanese, Narrows, VA, U.S.A.
ST	33	Selective Filtration	Filtration and retention characteristics of crotonaldehyde in cigarette filters	WEN Jianhui(1); DU Wen(1); PENG Bin(2); LI Bin(2); ZHANG Xiaobing(2); XIE Fuwei(2); LIU Huimin(2); ZHONG Kejun(1)	(1) China Tobacco Hunan Industrial Co., Ltd, Technology Center, Changsha, P.R. China; (2) Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, Henan, P.R. China
ST	34	Selective Filtration	Effects of acetate and charcoal sector position in Hoffmann analytes of dual and triple filter cigarettes	RUFENER C.; BENSE T.; RUNGA N.; TAROCO E.; BONILLA T.; UMPIERREZ E.	Compañía Industrial de Tabacos Montepaz S.A., Montevideo, Uruguay
ST	35	Selective Filtration	Removal of toxicants using reconstituted tobacco sheet with novel plant fibre	TAO Wenmei(1,2); SHI Jinwen(1); DUAN Meng(1); LU Yi(1); LI Jun(1); LI Qinghua(3); WEI Qing(1,2); LIU Weijuan(1,2)	(1) Yunnan Reascend Tobacco Technology (Group) Co., Ltd, Kunming, Yunnan, P.R. China; (2) Yunnan Tobacco Reconstituted Tobacco Sheet Co., Ltd, Kunming, Yunnan, P.R. China; (3) China Tobacco Yunnan Industrial Co., Ltd, Kunming, Yunnan, P.R. China
ST	36	Biomarkers	Do you have a validated biomarker for this compound?	NEWLAND K.E.; FARMEN R.H.; ISLAM R.	Celerion, Lincoln, NE 68502 U.S.A. & Celerion, Zürich, Switzerland
ST	37	Biomarkers	Analysis of 18 urinary mercapturic acids by two multiplex-LC-MS/MS methods	PLUYM N.; GILCH G.; SCHERER G.; SCHERER M.	ABF Analytisch-Biologisches Forschungslabor GmbH, Munich, Germany
ST	38	Biomarkers	Role of oxidative stress in the suppression of immune responses in peripheral blood mononuclear cells exposed to combustible tobacco product preparations	ARIMILLI S.(1); DAMRATOSKI B.E.(1); PRASAD G.L.(2)	(1) Department of Microbiology & Immunology, Wake Forest University School of Medicine, Winston-Salem, NC, U.S.A.; (2) R.J. Reynolds Tobacco Company, R&D Department, Winston-Salem, NC, U.S.A.
ST	39	Biomarkers	Untargeted metabolomic profiling in saliva of smokers and non-smokers by a validated GC-TOF-MS method	SCHERER M.; MUELLER D.; PLUYM N.; SCHERER G.	ABF Analytisch-Biologisches Forschungslabor GmbH, Munich, Germany
ST	40	E-Cigarettes 1	Droplet size measurement of e-cigarette aerosol	CABOT R.; YURTERI C.Ü.; <u>McAUGHEY J.</u>	British American Tobacco, Group R&D, Southampton, U.K.
ST	41	E-Cigarettes 1	Temperature profiles of e-cigarettes and e-cigs during heating and thermal analyses of e-liquids	LAUTERBACH J.H.; LAUTERBACH S.J.	Lauterbach & Associates, LLC, Macon, GA, U.S.A.
ST	42	E-Cigarettes 1	Characterisation of e-cigarette aerosol generation behaviour	VINCENT J.H.; COLE A.O.; MASON T.J.P.; TINDALL I.F.	Cerulean, Linford Wood East, Milton Keynes, U.K.
ST	43	E-Cigarettes 1	Nicotine and related impurities in electronic cigarette cartridges: stability studies and methodologies	FLORA J.W.; MILLER J.; SCHRALL J.; SMITH J.; McFARLANE C.; MERUVA N.	Altria Client Services Inc., Richmond, VA, U.S.A.
ST	44	Analysis	Investigation of pyrolysis behaviour of lutein in air by thermo gravimetry-single drop micro extraction-gas chromatography-mass spectrometry	YANG Ji; YANG Liu; WU Yiqin; MIAO Mingming; ZHE Wei; CHEN Yongkuan	China Tobacco Yunnan Industrial Co., Ltd of CNTC, R&D Center, Kunming, P.R. China
ST	45	Analysis	Comprehensive analysis of lipid compounds in tobacco leaf	MASUGI E.(1); DUNKLE M.(2); t'KINT R.(2); MITSUI M.(1); OCHIAI N.(3); DAVID F.(2); SANDRA K.(2); SANDRA P.(2)	(1) Japan Tobacco Inc. Tobacco Science Research Center, Yokohama, Kanagawa, Japan; (2) Research Institute for Chromatography, Kortrijk, Belgium; (3) GERSTEL K.K., Tokyo, Japan
ST	46	Analysis	Determination of N-nitrosarcosine (NSAR) in tobacco	PANI J.; WERNETH M.; MAYER-HELM B.	JTI-Ökolab, Vienna, Austria
ST	47	Analysis	Determination of pyrazine flavourants in electronic cigarette cartridges and liquids by headspace solid phase microextraction-gas chromatography-mass spectrometry (HS-SPME-GCMS)	JOZA P.; LI D.; MASTERS A.; RICKERT W.	Labstat International ULC, Kitchener, ON, Canada
ST	48	Analysis	E-liquid pH as an important element for research and regulation. Are mentholated e-liquids really different?	LAUTERBACH J.H.; LAUTERBACH S.J.	Lauterbach & Associates, LLC, Macon, GA, U.S.A.
ST	49	Analysis	Use of chiroptical spectroscopy to determine the ionisation status of (S)-nicotine in electronic cigarette formulations and snus	CLAYTON P.M.; VAS C.A.; McADAM K.G.	British American Tobacco, Group R&D, Southampton, U.K.
ST	50	Workshop - Collaborative	Collaborative studies: definitions, concepts and outcomes	CAHOURS X.; VERRON T.; JULIEN R.	Imperial Tobacco Group, SEITA, Fleury-les-Aubrais, France
ST	51	Workshop - Collaborative	Collaborative studies, what have we learnt? Some practical examples	HELLER W.D.; CZECHOWICZ M.	Institut für Tabakforschung GmbH (IFT), Berlin, Germany
ST	52	Workshop - Collaborative	Proficiency studies, what have we learnt? A review of the Proficiency Tests conducted by the CORESTA Agrochemical Analysis Sub-Group	PRAT M.(1); BRAECKMAN H.(2)	(1) JT International Germany GmbH, Trier, Germany; (2) FYTOLAB cvba, Zwijnaarde, Belgium
ST	53	Exposure Assessment	The effect of the puff duration on the cigarette smoke chemistry	HAN E.J.; LEE J.; SHIN H.G.; LIM G.H.; KIM H.K.	KT&G Research Institute, Yuseong-Gu, Daejeon, South Korea
ST	54	Exposure Assessment	Indoor air chemistry (IAC): comparative study between conventional cigarette and heat-not-burn technology	GOUJON C.; <u>MAEDER S.</u>	Philip Morris International R&D, Neuchâtel, Switzerland
ST	55	Exposure Assessment	Modelling of the effect of indoor intermittent emissions produced by electronic cigarette users on exposure of bystanders	COLARD S.(1); VERRON T.(2)	(1) Imperial Tobacco Ltd, Bristol, U.K.; (2) SEITA, Imperial Tobacco Group, Fleury-les-Aubrais, France



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ST	56	Exposure Assessment	Development and validation of a device for measuring puffing topography of e-cigarette users	CUNNINGHAM A.(1); SLAYFORD S.(1); VAS C.A.(1); GEE J.(1); COSTIGAN S.(2); PRASAD K.(1)	(1) British American Tobacco, Group R&D, Southampton, U.K.; (2) Nicoventures, London, U.K.
ST	57	Exposure Assessment	Results of the 2013 CORESTA Part-Filter Method Ring Trial and comparison with the 2012 Ring Trial	CLAYTON P.M.(1); NOTHER K.(1); VERRON T.(2); JULIEN R.(2)	British American Tobacco, Group R&D, Southampton, U.K.
ST	58	Smokeless	Analysis of volatile aldehydes in smokeless tobacco with a rapid, one-step extraction and derivatisation with UHPLC-MS/MS quantification	ERICSSON D.; PATRING J.; <u>LINDHOLM J.</u>	Swedish Match North Europe AB, Stockholm, Sweden
ST	59	Smokeless	Determination of benzo[a]pyrene in smokeless tobacco products using gas chromatography-mass spectrometry	HUANG C.B.(1); ADAMS B.(2); WAGNER K.(1); <u>MERUVA N.</u> (1)	(1) Altria Client Services Inc., Richmond, VA, U.S.A.; (2) Eurofins Lancaster Laboratories, Richmond, VA, U.S.A.
ST	60	Smokeless	A more accurate estimation of free-base nicotine in moist snuff	STAAF M.; HODIN F.; LUNDIN J.	Swedish Match North Europe AB, Research & Development, Stockholm, Sweden
ST	61	Smokeless	Determination of ethyl carbamate in tobacco and smokeless tobacco products by HPLC-APCI+-MS/MS	PANI J.; HERWIG S.; MAYER-HELM B.	JTI-Ökolab, Vienna, Austria
ST	62	Tobacco / CPAs	A simultaneous method for analysing phytosterols and phytosterol esters in tobacco leaves using non-aqueous reversed-phase chromatography and atmospheric pressure chemical ionisation mass spectrometry detector	ISHIDA N.	Japan Tobacco Inc., Tobacco Science Research Center, Yokohama, Kanagawa, Japan
ST	63	Tobacco / CPAs	Simultaneous determination of 114 pesticide residues in tobacco by LC-MS/MS using multi-walled carbon nanotubes-based dispersive solid phase extraction	HU Bin; YU Fei; CHEN Li; AI Dan; PAN Lining; LIU Huimin	Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, Henan, P.R. China
ST	64	Tobacco / CPAs	Structure identification of flavonoids in tobacco based on liquid chromatography mass spectrometry method	PANG Tao; LI Yong; SHI Junli; LI Junying; DENG Jianhua; LU Xiuping	Yunnan Academy of Tobacco Agricultural Sciences, Yuxi, Yunnan, P.R. China
ST	65	Tobacco / CPAs	Analysis of seven strobilurins in tobacco using gas chromatography equipped with electron capture detector (GC-ECD)	MUREYA C; MUSUNA-GARWE C.C.	Tobacco Research Board, Harare, Zimbabwe
ST	66	Tobacco / CPAs	Development of a fast screening method for crop protection agents in tobacco by solid sorptive extraction-thermal desorption-gas chromatography mass spectrometry	MIN H.J.; LEE J.M.; LEE M.Y.; JANG G.C.	KT&G Research Institute, Yuseong-Gu, Daejeon, South Korea
ST	67	Smoke Chemistry 2	Application of multi-dimensional GC techniques to the analysis of cigarette smoke	BROKL M.(2); FOÇANT J-F.(2); <u>TICHAJ J.</u> (1); BISHOP L.(1); WRIGHT C.(1)	(1) British American Tobacco, Group R&D, Southampton, U.K.; (2) University of Liège, Mass Spectrometry Laboratory (CART), Liège, Belgium
ST	68	Smoke Chemistry 2	Roles of activated benzene species in the formation of polycyclic aromatic compounds in cigarette mainstream smoke	YOSHIDA S.(1); KOBAYASHI K.(2)	(1) Japan Tobacco Inc., Yokohama, Kanagawa, Japan; (2) Yokohama National University, Graduate School of Engineering, Yokohama, Japan
ST	69	Smoke Chemistry 2	Qualitative analysis of free radicals in cigarette gas-phase smoke by ultra performance convergence chromatography/Q-TOFMS	LIU Baizhan; WANG Ying; <u>XIE Wenyan</u>	Shanghai Tobacco Group Co., Ltd of CNTC, Technology Center, Shanghai, P.R. China
ST	70	Smoke Chemistry 2	Determination of volatile nitrosamines in mainstream cigarette smoke by gas chromatography tandem mass spectrometry	LEE J.M.; MIN H.J.; LEE M.Y.	KT&G Research Institute, Yuseong-Gu, Daejeon, South Korea
ST	71	Smoke Chemistry 2	Determination of ethylene oxide in mainstream cigarette smoke using hydrobromic acid derivatization and gas chromatography-mass spectrometry	LIU X.; JOZA P.; MASTERS A.; RICKERT W.	Labstat International ULC, Kitchener, ON, Canada
ST	72	E-Cigarettes 2	The analysis of isotopically labeled propylene glycol in e-cigarettes	FARMEN R.H.; NEWLAND K.E.; NACHI R.; KAFONEK C.J.; ISLAM R.	Celerion, Lincoln, NE 68502 U.S.A. & Celerion, Zürich, Switzerland
ST	73	E-Cigarettes 2	A new method for the analysis of carbonyl compounds in e-cigarette liquids	WILLIAMSON F.; MARTIN A.	Arista Laboratories, Richmond, VA, U.S.A.
ST	74	E-Cigarettes 2	Characterization of electronic cigarette formulations and aerosols	FLORA J.W.; MERUVA N.; HUANG C.B.; BENNETT D.; BALLENTINE R.; WERLEY M.; MCKINNEY W.J.	Altria Client Services Inc., Richmond, VA, U.S.A.
ST	75	E-Cigarettes 2	Selected primary aromatic amines (PAAs) in e-cigarette vapor by GC-MS	MARTIN A.; WILLIAMSON F.	Arista Laboratories, Richmond, VA, U.S.A.
ST	76	E-Cigarettes 2	Real-time puff-by-puff analysis of electronic cigarette aerosol using GC-MS	HUANG C.B.; MERUVA N.	Altria Client Services Inc., Richmond, VA, U.S.A.
ST	77	Workshop - Toxicity	In vitro toxicity testing of tobacco products: the CORESTA In Vitro Toxicity Testing of Tobacco Smoke Task Force	BOMBICK B.	R.J. Reynolds Tobacco Company, R&D Department, Winston-Salem, NC, U.S.A.
ST	78	Workshop - Toxicity	Predictability of in vitro toxicological assessments of cigarettes: analysis of seven years of regulatory submissions to Canadian authorities	BELUSHKIN M.(1); PIADÉ J-J.(1); CHAPMAN S.(2); FAZEKAS G.(2)	(1) Philip Morris International R&D, Philip Morris Products S.A., Neuchâtel, Switzerland; (2) Rothmans, Benson & Hedges Inc., Brampton, Ontario, Canada
ST	79	Workshop - Toxicity	Annual monitoring of a range of cigarette products from the Canadian market and their in vitro biological responses over time (from 2005 to 2013)	MEGER M.(1); CLEVA BERSAN D.(1); WEBER E.(2); CAMERON P.(3); MILLER-HOLT J.(1); JONES I.(1)	(1) JT International S.A., Geneva, Switzerland; (2) Ökolab Gesellschaft für Umweltanalytik GmbH, Vienna, Austria; (3) JTI Macdonald Corp., Mississauga, ON, Canada



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ST	80	Workshop - Toxicity	The CORESTA recommended in vitro test battery alongside the National Research Council vision for toxicity testing in the 21st Century	SIMMS L.(1); WIECZOREK R.(2); TRELLES STICKEN E.(2)	(1) Imperial Tobacco Ltd, Bristol, U.K.; (2) Imperial Tobacco Group, Reemtsma Cigarettenfabriken GmbH, Biological Labs Hamburg, Hamburg, Germany
ST	81	Mixed 1	Clinical trial to compare smoking cessation rates with Camel SNUS and a nicotine lozenge – Part 1: Study Design	NELSON P.R.; CHEN P.	R.J. Reynolds Tobacco Company, Winston-Salem, NC, U.S.A.
ST	82	Mixed 1	Clinical trial to compare smoking cessation rates with Camel SNUS and a nicotine lozenge – Part 2: Results	NELSON P.R.; CHEN P.	R.J. Reynolds Tobacco Company, Winston-Salem, NC, U.S.A.
ST	83	Mixed 1	Steady-state and transient effective density of cigarette smoke	CABOT R.(1); JOHNSON T.J.(2); OLFERT J.S.(2); YURTERI C.Ü.(1); <u>McAUGHEY J.</u> (1)	(1) British American Tobacco, Group R&D, Southampton, U.K.; (2) University of Alberta, Department of Mechanical Engineering, Edmonton, Canada
ST	84	Mixed 1	Distribution of toxic chemicals in the different sized particles from mainstream cigarette smoke	WANG Hongbo; LI Xiang; XIE Fuwei; PENG Bin; LIU Kejian; WANG Sheng; QIN Yaqiong; NIE Cong; LIU Huimin	Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, Henan, P.R. China
ST	85	Mixed 1	Highly time-resolved two-dimensional mapping of molecular combustion and pyrolysis product concentrations: looking into a burning cigarette during puffing	ZIMMERMANN R.(1); HERTZ-SCHÜNEMANN R.(1); EHLERT S.(1); LIU C.(2); McADAM K.G.(2); BAKER R.R.(2)†; COBURN S.(2); STREIBEL T.(1)	(1) University of Rostock, Chair of Analytical Chemistry, Rostock, Germany; (2) British American Tobacco, Group R&D, Southampton, U.K.; (†) Deceased
ST	86	Mixed 1	Smoke analysis of fine-cut tobacco – a predicting model and other challenges	TEILLET B.(1); VERRON T.(1); CAHOURS X.(1); COLARD S.(2)	(1) Imperial Tobacco Group, SEITA, Fleury-les-Aubrais, France; (2) Imperial Tobacco Ltd, Bristol, U.K.
ST	87	Mixed 2	From seed to smoke: N-nitrosornicotine levels in blended cigarettes containing Burley or flue-cured tobacco stable for low nornicotine content	LUSSO M.(1); LION K.(1); ADAMS A.(1); LEWIS R.S.(2); MORRIS W.(1); DAVIS G.(1)	(1) Altria Client Services Inc., Research, Development & Engineering, Richmond, VA, U.S.A.; (2) North Carolina State University, Crop Science Department, Raleigh, NC, U.S.A.
ST	88	Mixed 2	Quantitative determination of enantiomers of tobacco-specific nitrosamines in tobacco using gas chromatography-mass spectrometry	JH H.(1); FANNIN F.(2); CAI B.(2); BUSH L.P.(2)	(1) University of Kentucky, Kentucky Tobacco Research and Development Center, Lexington, KY, U.S.A.; (2) University of Kentucky, Department of Plant and Soil Sciences, Lexington, KY, U.S.A.
ST	89	Mixed 2	Aroma compounds in flue-cured tobacco from Baoshan: distribution and relationships to climate and geographical factors	YANG Panpan(1); WANG Chao(2); WANG Yu(1); HOU Ying(1); YANG Yingming(2); YANG Shihua(1); LI Wei(1); YUAN Tianjun(1); CHENG Changxin(2)	(1) Yunnan Reascend Tobacco Technology (Group) Co., Ltd, Kunming, Yunnan Province, P.R. China; (2) Hongyun-Honghe Tobacco (Group) LLC, Kunming, P.R. China
ST	90	Mixed 2	Effect of reconstitution and tobacco blend components on Hoffmann analytes	DUROT N.(1); LE BEC L.(1); RIGOULAY C.(1); RAVERDY-LAMBERT D.(1); BENSE T.(2); GIORDANO O.(2)	(1) SWM Intl, c/o LTR Industries, Usine Le Mans, Allonnes, France; (2) MONTEPAZ, c/o Compania industrial de Tabacos Monte-Paz SA, Montevideo, Uruguay
ST	91	Mixed 2	Quantitative risk assessment of cigarette products from the US market, 2012 and 2013	MARANO K.M.(1); MORGAN W.T.(2); OGDEN M.W.(1); SWAUGER J.E.(1)	(1) RAI Services Company, Winston-Salem, NC, U.S.A.; (2) R.J. Reynolds Tobacco Company, Winston-Salem, NC, U.S.A.
ST	92	Cigarette Design 2	Influence of cigarette paper characteristics on the smoke yields in a flue-cured Chinese cigarette design under ISO and Canadian intense smoking regimes	LE BEC L.	SWM Intl, Global Research, Usine Le Mans, Allonnes, France
ST	93	Cigarette Design 2	Plasma perforation of tipping paper – a novel method to generate ventilated filter cigarettes	LINDNER M.(1); RAUNIC VADANJEL R.(2)	(1) TANNPAPIER GmbH, Traun, Austria; (2) TDR d.o.o., Rovinj, Croatia
ST	94	Cigarette Design 2	The pore size distribution of naturally porous cigarette papers and its relation to air permeability and diffusion capacity – Part 1	GLEINSER M.(1); EITZINGER B.(2); BACHMANN S.(1); VOLGGER D.(1)	(1) Papierfabrik Wattens GmbH & Co. KG, Wattens, Austria; (2) delfortgroup AG, Traun, Austria
ST	95	Cigarette Design 2	The pore size distribution of naturally porous cigarette papers and its relation to air permeability and diffusion capacity – Part 2	EITZINGER B.(1); GLEINSER M.(2); BACHMANN S.(2); VOLGGER D.(2)	(1) delfortgroup AG, Traun, Austria; (2) Papierfabrik Wattens GmbH & Co. KG, Wattens, Austria
STPOST	01	Poster SSPT	Taste impact of different LIP band material	OUAHIOUNE M.; <u>DUMAS J.</u> ; JOYEUX T.	Papeteries du Léman, PDL Cigarette Papers, Thonon-les-Bains Cedex, France
STPOST	02	Poster SSPT	Influence of different filtration efficiency of new design split dual filter	MOSTOVOJUS V.; TUCINSKAS G.	Nemuno Banga LLC, Lentvaris, Lithuania
STPOST	04	Poster SSPT	The influence of smoke path geometry on TCNO results using smoking machines complying with ISO3308	HERDT O.	Borgwaldt KC GmbH, Hamburg, Germany
STPOST	05	Poster SSPT	A cautionary note: making reference to ISO standards is not a sufficient means of providing validation for non ISO methods	PURKIS S.	Imperial Tobacco Ltd, Bristol, U.K.
STPOST	06	Poster SSPT	Detection of e-cigarette aerosol generation over life	VINCENT J.H.; COLE A.O.; MASON T.J.P.; TINDALL I.F.	Cerulean, Linford Wood East, Milton Keynes, U.K.
STPOST	07	Poster SSPT	A comparison of selected aerosol trapping mechanisms for use in the analysis of electronic cigarettes	MASON T.J.P.; COLE A.O.; VINCENT J.H.; TINDALL I.F.	Cerulean, Linford Wood East, Milton Keynes, U.K.
STPOST	08	Poster SSPT	Determination of 16 polycyclic aromatic hydrocarbons in mainstream cigarette smoke by using a graphene coated solid-phase micro extraction (SPME) technique followed by gas chromatography-mass spectrometry (GC/MS)	WANG Xiaoyu; GUO Jizhao; XIA Qiaoling; DING Li; XIE Fuwei; ZHANG Xiaobing; LIU Huimin; <u>WANG Hongbo</u>	Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, Henan, P.R. China



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STPOST	09	Poster SSPT	Improved method for determination of tobacco-specific nitrosamines (TSNAs) in tobacco and tobacco smoke by UPLC-MS/MS	SHAH N.; FLORA J.W.; MERUVA N.	Altria Client Services Inc., Richmond, VA, U.S.A.
STPOST	10	Poster SSPT	Determination of heterocyclic aromatic amines in cigarette smoke by UPLC-MS/MS	SHAH N.; JIN C.; AVERY K.; FLORA J.W.; MERUVA N.	Altria Client Services Inc., Richmond, VA, U.S.A.
STPOST	11	Poster SSPT	Arsenic speciation in selected tobacco products	BENNING J.; LIU C.; McADAM K.G. et al.	British American Tobacco, Group R&D, Southampton, U.K.
STPOST	12	Poster SSPT	Challenges on HPHC analysis – the limit of quantification	TEILLET B.(1); VERRON T.(1); CAHOURS X.(1); COLARD S.(2); PURKIS S.(2)	(1) Imperial Tobacco Group, SEITA, Fleury-les-Aubrais, France; (2) Imperial Tobacco Ltd, Bristol, U.K.
STPOST	13	Poster SSPT	Method development and validation of a multi-compound method for the quantification of selected volatile analytes in gas phase of cigarette smoke by GC-MS: an experience report	OTTE S.; ELSTER L.; INTORP M.	Imperial Tobacco Group, Reemtsma Cigarettenfabriken GmbH, Hamburg, Germany
STPOST	14	Poster SSPT	Electronic devices – investigation of the direct thermal extraction properties of the e-liquid	GADOIS-POMMEREUL S.; REY M.; LHERMITE S.; TROUDE V.	Imperial Tobacco Group, SEITA, Fleury-les-Aubrais, France
STPOST	15	Poster SSPT	Simultaneous determination of nicotine, propylene glycol, glycerin, menthol, ethanol and water in electronic cigarettes by gas chromatography	SMITH T.; <u>MERUVA N.</u>	Altria Client Services Inc., Richmond, VA, U.S.A.
STPOST	16	Poster SSPT	Inflammatory cytokines in tobacco consumers as potential biomarkers of tobacco effect	PRASAD G.L.; JONES B.A.; CARAWAY J.; BORGERDING F.	R.J. Reynolds Tobacco Company, R&D Department, Winston-Salem, NC, U.S.A.
STPOST	17	Poster SSPT	Global profiling of metabolites from saliva of tobacco consumers	PRASAD G.L.(1); JONES B.A.(1); SCHMIDT E.(1); KENNEDY A.D.(2)	(1) R.J. Reynolds Tobacco Company, R&D Department, Winston-Salem, NC, U.S.A.; (2) Metabolon, Durham, NC, U.S.A.
STPOST	18	Poster SSPT	Development and validation of a high content screening in vitro micronucleus assay for the assessment of total particulate matter in cigarette smoke	GAO Qian(1); ZENG Wanli(1); ZHU Zhouhai(1); GUAN Ying(1); MI Qili(1); MIAO Mingming(1); LI Xuemei(1); YAO Jianhua(1); <u>Li Ming</u> (2)	(1) Yunnan Academy of Tobacco Science of CNTC, Kunming, P.R. China; (2) China Tobacco Society, Beijing, P.R. China
STPOST	19	Poster SSPT	Comparison of in vitro and in vivo exposed chemical levels following cigarette smoke exposure	ISHIKAWA S.; SUZUKI T.; NAGATA Y.	Japan Tobacco Inc., Tobacco Science Research Center, Yokohama, Kanagawa, Japan
STPOST	20	Poster SSPT	The assessment of the mutagenic potential of 3R4F mainstream cigarette smoke using multiple Ames strains	THORNE D.(1); KILFORD J.(2); HOLLINGS M.(2); DALRYMPLE A.(1); BALLANTYNE M.(2); MEREDITH C.(1); DILLON D.(1)	(1) British American Tobacco, Group R&D, Southampton, U.K.; (2) Covance Laboratories Ltd, Harrogate, U.K.
STPOST	21	Poster SSPT	Evaluating the genotoxicity of tobacco smoke-derived aerosols using the flow cytometry-based in vitro micronucleus assay	POULEAU B.; SMART D.J.; <u>McHUGH D.</u>	Philip Morris International R&D, Philip Morris Products S.A., Neuchâtel, Switzerland
STPOST	22	Poster SSPT	The “Technical Report DIN SPEC 10133 – Toxicological Assessment of Additives for Tobacco Products – A Guidance”	THIELEN A.(1); HAHN J.(2)	(1) DIN-Working Group "Toxicology of additives", Berlin, Germany; (2) Convenor of DIN-Working Committee "Tobacco and tobacco products", Berlin, Germany
STPOST	23	Poster SSPT	Quantitative evaluation of the mutagenicity induced by tobacco smoke-derived total particulate matter using the mouse lymphoma assay	DEMOUTE A-L.; AL-JOBORI O.; POULEAU B.; SMART D.J.; <u>McHUGH D.</u>	Philip Morris International R&D, Philip Morris Products S.A., Neuchâtel, Switzerland
STPOST	24	Poster SSPT	Toxic insult to rat precision cut lung slices increases tissue cytokine levels and activation of macrophages, and causes acute damage, while prolonged insult may lead to increased deposition of collagen – a marker of fibrosis	BEHRING H.P.	Advanced In Vitro, LLC, Frederick, MD, U.S.A.
STPOST	25	Poster SSPT	Increasing the Salmonella typhimurium reverse mutation assay's sensitivity following exposure to fresh aerosols	TRELLES STICKEN E.; WIECZOREK R.	Imperial Tobacco Group, Reemtsma Cigarettenfabriken GmbH, Biological Labs Hamburg, Hamburg, Germany
STPOST	26	Poster SSPT	Development of a biologically-representative laboratory analysis system for the measurement of emissions from snus during use	GALE N.; BYROM D.	British American Tobacco, Group R&D, Southampton, U.K.
STPOST	28	Poster SSPT	Assessment of nicotine in the ambient air before, during and after the use of e-cigarettes in an office	O'CONNELL G.(1); COLARD S.(1,2); <u>VERRON T.</u> (2); CAHOURS X.(2); PRITCHARD J.D.(1)	(1) Imperial Tobacco Ltd, Bristol, U.K.; (2) Imperial Tobacco Group, SEITA, Fleury-les-Aubrais, France
STPOST	29	Poster SSPT	Characterization of inhalation exposure atmosphere generated from e-cigarettes	GUPTA A.; HAYDEN B.; ATKINSON M.; BEHRINGER S.; WESTERBERG B.	Battelle Memorial Institute, Columbus, OH, U.S.A.
Prize		Plenary	Analysis of tobacco products: lessons and challenges	RICKERT W.S.	Labstat International ULC, Kitchener, ON, Canada
Keynote address		Plenary	The many faces of CORESTA: past, present and future	MARINER D.C.	British American Tobacco, Group R&D, Southampton, U.K.

Name underlined = Presenter when the main author listed first did not present the paper