

Lifelines

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Hualin Chen received his B.S. (1994) and M.S. (1997) degree from Sichuan University. After 5 years work in industry, he started his research career with Professor Bailing Liu at Chengdu Institute of Organic Chemistry, Chinese Academy of Sciences. In 2009, he received his Ph.D. In 2014, he was selected as a Professor and an Academic and Technological Leaders backing candidates in Sichuan province, China. His research interests are hyper-branched polymer, emulsion polymerization and leather chemistry and engineering.

Bailong Liu, see *JALCA* **107**, 311, 2012

K. RamKumar completed his Bachelor degree in Biotechnology in Pondicherry University (2009) and completed his Masters in Nanoscience and Technology at Alagappa University, India (2011). He is pursuing his PhD degree, Department of Nanoscience and Technology, Anna University. His research interests include synthesis & characterization of metal oxide, hybrid nanoparticles and performance solutions.

R. Jayavel, PhD, Director-Research, Anna University has 25 years of research experience in Materials Science, Engineering & Nanotechnology. He has published more than 300 research papers in International peer reviewed journals and presented numerous research papers at International/National conferences. He is an internationally acclaimed researcher with *h*-index of 34 and more than 4000 citations. So far, 32 researchers have obtained their Ph.D. Degree under the guidance of Dr. Jayavel.

Sanjeev Gupta, see *JALCA* **108**, 156, 1998

Albert Manich, see *JALCA* **106**, 176, 2011

Sara Cuadros, see *JALCA* **108**, 434, 2013

Jaoquin Font, see *JALCA* **108**, 434, 2013

Anna Bacardit, see *JALCA* **111** 276, 2016

Felip Combalia, see *JALCA* **105** 353, 2010

Agusti Marsal, see *JALCA* **108**, 434, 2013

ALCA 113th Annual Convention

June 13-16, 2017

Pinehurst Resort, Village of Pinehurst, NC

We will host the 113th Annual Convention at the beautiful Pinehurst Resort at the Village of Pinehurst, North Carolina. It is a first class facility that you can learn more about by logging on to their website at pinehurst.com.

All details about the convention can be found on this website as they progress. The convention brochure will be online in mid March. There is a link to it on the home page at the bottom. Also voting for our Slate of Candidates will be done via email in late April. The online convention registration form has been updated and is ready to use or you can print out a form and send it to us. Go to leatherchemists.org for a printable convention registration form. Continue checking this website for new information and announcements about the 113th Annual Convention.

The schedule this year is similar to that of 2015 at Pinehurst, but we are moving things up by one day. We are kicking off the convention on Tuesday, June 13, with the Opening Address in the Ross/Tufts/Olmsted Room. Federico Brugnoli, technical coordinator of the European Sectoral Skills Councils for 3 EU sectors (Fashion, Commerce, Automotive) will give the John Arthur Wilson Memorial Lecture from 1:15 – 2:15 pm followed by Session 1 of the technical program. The technical program will conclude at 5:00 pm followed by the Fun Run on the Spa Lawn from 5:30 – 6:30 pm. That evening from 7 – 8 pm we will have a cocktail reception at the Carolina Terrace followed by dinner there. From 8:30 – 9:30 pm that evening you will enjoy the Chipping into the Fountain Contest which we did the last visit to Pinehurst. The entire evening will be a great time to have conversations with old and new associates in the leather industry.

The second day of the Technical Program will start at 8 am on Wednesday, June 14. This year's technical program is being organized by Vice President, Mike Bley. It will focus on sustainability with topics including wetend and finish technology. The program can be viewed in the coming months under this section of our website. Technical sessions will conclude at 11:45 am followed by lunch in the Carolina Dining Room for non-golfers.

Wednesday afternoon will be open for a variety of fun activities. The annual golf tournament will be held at Golf Course No. 5 beginning with lunch at the course at 12 pm. Pre-registration for golfers is a must to facilitate the start of the tournament. Further information on the golf outing can be found under this section as well as the brochure available in mid-March. Other activities will be announced as details develop under the entertainment section of this website. That evening we will again have Golf Pro Larry Shaver with his golf swing analyzer from 7 – 10 pm along with a cocktail reception at 7 pm at the Resort Club Veranda followed at 8 pm by dinner at the Donald Ross Grill. During the evening from 8:30 – 9:30 pm, you can do Nite Light Putting on the Resort Putting Green.

Technical papers will resume Thursday morning at 8 am with the Annual Business Meeting following the technical program at 11:45 am. At noon everyone is invited to attend the Activities Awards Luncheon in the Cardinal Ballroom where prizes will be awarded for the Fun Run and golf outing. Thursday afternoon will be open for activities that will be announced soon. Thursday evening from 6 – 7 pm will be a social hour in the Cardinal Ballroom followed by the Annual Awards Banquet at 7 pm. The convention will close with check out on Friday morning after breakfast.

Please make plans now to join us for a wonderful return to Pinehurst.

Lee Lehman

2017 Convention Chair

Welcome to an exciting venue of events that will be unfolding for us from June 13 to June 16, 2017.

The 58th John Arthur Wilson Memorial Lecture

by
Federico Brugnoli

Federico Brugnoli will present the 58th John Arthur Wilson Memorial Lecture at our Annual Meeting on Tuesday, June 13, 2017.

Sustainability Opportunities and Threats in the Global Leather Supply Chain

Summary

The concept of sustainable development has been growing in importance going back to the 1987 release of the report “Our Common Future” (also known as the Brundtland Report), by the United Nations World Commission on Environment and Development.

At that time, the industrial world was not paying much attention to this novel concept, and the main drivers guiding the development of the global industrial world continued to be in line with the past: productivity, efficiency, minimization of costs.

Since then, determining drivers of change have grown in importance and have increasingly influenced the strategic choices of globalized production systems: rapid legislative evolution in some parts of the world, growth in importance of international NGOs focused on Environmental protection and Social compliance, and growth of the speed of information flows to and from consumers.

Some industrial sectors are acting more rapidly than others: Food and beverage, Automotive, Design and Fashion to name a few. Corporations and brands can no longer run the risk of being found guilty of non-sustainable practices along their supply chains.

The leather industry, as key supplier of at least three of these sectors, is being asked to rapidly evolve and develop strategies and techniques to face the new sets of requirements developed by its customers. These involve: Respect of Human Rights, Health & Safety in the workplace, Environmental protection, Fair trade and operating practices, Consumer safety, Chemical management, traceability of raw materials and animal welfare.

This proliferation of requirements along with the inherent complexity linked with proper Global control measures are creating a potential for increased costs in the whole leather supply chain and a parallel drop in effectiveness of the proposed strategies.

In this context, the lecture will propose and share an innovative outlook on the entire subject at hand and provide a number of viewpoints for responsible supply chain management by means of new operational tools and innovative models of business relationships in the global leather supply chain.



Federico Brugnoli

THE AMERICAN LEATHER CHEMISTS ASSOCIATION

The leather industry's technical center for prospective development founded on a platform of peer review and discussion



113th Annual Convention — June 13-16, 2017 Pinehurst Resort, Pinehurst, North Carolina, USA

Tentative Technical Program starting Tuesday, June 13

John Arthur Wilson Memorial Lecture

***“Sustainability — Opportunities and Threats in the Global Leather Supply Chain”
by Federico Brugnoli, CEO of SPIN360 and COO of Synesis, Italy***

Other Papers to be Presented on Tuesday, Wednesday, and Thursday:

Recent Findings in Acetaldehyde Emission from Leather by Jochen Ammenn, BASF SE, Ludwigshafen, GERMANY

Probiotic Biochemicals in Beamhouse by Joan-Carles Castell, Proviera at Stahl, SPAIN

Biological Unhairing - An Alternative to Existing Curing and Beaming Technologies? by Jurgen Christner, TFL Ledertechnik GmbH, GERMANY

CRC: Innovation in Drying and Conditioning by Karl Flowers, Authenticae Ltd, UK

VOC and Smell in Automotive Leather by Michael Franken, LANXESS Deutschland GmbH, Leverkusen, Germany

How Basicity in Basic Chrome Sulfate Affects Wet Blue Tanning Processing
by Jose Luis Gallegos, Elementis LTP Inc., Milwaukee, WI

An Introduction to the Foreign Agricultural Service (FAS) - How FAS links U.S. Agriculture to the World
by Sarah Gilleski, United States Department of Agriculture, Washington, DC

Leather Mechanical Properties Estimated from Airborne Ultrasonic Testing of Hides by Cheng-Kung Liu, United States Department of Agriculture, Eastern Regional Research Center, Wyndmoor, PA

Development and Characterization of Genipin Cross-Linked Gelatin Based Composites Incorporated with Vegetable-Tanned Collagen Fiber (VCF) by Jie Liu, United States Department of Agriculture, ERRC, Wyndmoor, PA

Efficacy of Citrilow™ and Cecure™ Spray Wash on the Levels and Prevalence of Aerobic Bacteria and Enterobacteriaceae Bacteria on Cattle Hides by Wilbert Long III, United States Department of Agriculture, ERRC, Wyndmoor, PA

Amphoteric Retanning Polymers: Enabling Approach for Mineral-Free Tanning by Ed Nungesser, The Dow Chemical Company, Collegetown, PA

Conditioning of Leather after Vacuum Drying by Marc Oomens, IM Innovating, Dongen, THE NETHERLANDS

Sustainability as a Competitive Advantage by Vikrant Pratap, Xeros Ltd, South Yorkshire, UK

Preservation of Hide Using Less Salt with Environmentally Friendly Low Concentration of Antiseptic by Majher Sarker, United States Department of Agriculture, Eastern Regional Research Center, Wyndmoor, PA

Thermal and Antioxidant Stability of Keratin Hydrolysates Prepared from Leather Waste by Jan Sedliacik, Technical University in Zvolen, SLOVAKIA

SprayLab: Full Automated Finishing Unit for Samples by Giulio Tandura, Fratelli Carlessi, ITALY

Determining Accuracy in the Comparison of Environmental Assessments of Leather through Meta-Analysis by Kathryn L. Thudium, Eagle Ottawa by Lear, Rochester Hills, MI

The US Tanning Industry: 1917-2017 and Beyond by John Wittenborn, Leather Industries of America, Inc., Washington, D.C.

Mold on Leather: Essay on the Visible and Invisible by Luis Zugno, Buckman, Memphis, TN

Few people realize that Leather Making is the world's oldest manufacturing process, thus the world's oldest industry. Tanning—the process of converting hides and skins into leather—is also the world's first science.

Also, because of the pure craftsmanship involved, tanning may well be the world's first art form.

Anyone who doubts that a
sheepskin has up to 30,000
fibers per square inch has
only to count them.

NOTHING TAKES THE
PLACE OF LEATHER

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