Dear Doyens and Members of the Indian Leather Fraternity; Colleagues from CSIR; Mentors and Teachers, Colleagues and Friends! It gives us great pleasure in sending you our November 2017 edition of The LEATHER POST.

The cover story focus on: The SCIENCE VILLAGE: “Parliament to Panchayat”organised at CSIR-Central Leather Research Institute, Chennai, from 13th-16th October, 2017 as a part of India International Science Festival. The idea behind conducting Science Village was to reach out to the rural masses and propagate science to the extent of seeking scientific solution to the diverse challenges facing our society. The effort was laudable and the benefits immense.

CSIR-CLRI will co-operate with Solidaridad, Stahl and PUM and work towards Cleaner Ganga. LEATHER WEEK 2018 is fast approaching and you will hear from us soon on the various events in the next edition of The LEATHER POST.

CSIR-CLRI has been reaching out to the Industry in every sphere with its technologies and services. We hope to live up to the expectations of the Indian Leather Sector at all times.

We must walk hand-in-hand in our journey ahead!

I wish to thank you all for your unstinted support and kind co-operation at all times,

We will strive to make this magazine informative and interesting and welcome your feedback for improvement.

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INTRODUCTION

“Science Village” was an important event among seventeen programmes which were part of the India International Science Festival - 2017 (IISF-2017) held in Chennai from 13-16 October 2017. The IISF-2017 is third in series, first and second editions conducted earlier at New Delhi. The prime goal of Science Village is to provide exposure to the students from rural India and make them aware of frontier areas of India’s science & technology. The Science Village program is linked with the Pradhan Mantri Sansad Adarsh Gram Yojana through which each Member of Parliament can nominate 5 students and 1 teacher from their adopted/remote village. The nominated students are from 9th – 12th classes. The theme of the Science Village is “Parliament to Panchayat” and it aims to reach out to the rural areas and to promote scientific temper and scientific solutions to the diverse challenges facing our society, particularly rural India. It functions through six different houses with each house named after famous Indian Scientist. Each student and the accompanying teacher from adopted village will be a member of one of such houses throughout the program. All students from the respective houses shall perform all activities together and would be taken care of by their respective teachers with the help of assistant house coordinators. The teachers are instructed by the House Coordinators who are responsible for overall programs of the house.

The major activities of Science Village include poster presentation, hands on experiments in physics as well as chemistry, student-scientist interaction, and visit to ship ‘Sagar Nidhi’, planetarium visit & visit to laboratories of CSIR-CLRI. The visit to ‘Sagar Nidhi’ enables students to have information related to meteorology, geology, oceanographic research and navigation associated with the advanced equipment. In addition to these activities, students had the opportunity to participate in cultural activities as well as listening to popular talks delivered by eminent Indian Scientists. Further, they also visited the Science Expo exhibition comprising of exhibits from various national science and technology agencies.
ACTIVITIES OF EACH HOUSE
ARYABHATTA HOUSE

The house named after the great astronomer Aryabhata (born in 476 BC in Kerala). Mr. G. Chandrasekar, CSIR-CLRI was the house coordinator for this house. 268 Students and 57 Teachers were participants of the house. The students of this house include Barmer District of Rajasthan to the Idukki District of Kerala. They had a rare opportunity to interact with each other during the event and represented the diversity of the country. The snapshot of four day activities include - DAY 1: The participants were briefed with the objective of organizing the event and were encouraged to interact with the fellow participants. The students and teachers visited Birla Planetarium located in the Tamil Nadu Science and Technology Centre (TNSTC) and took a virtual tour of the night sky in 360-degree sky theatre facility at the centre. They also had the opportunity to see various exhibits where fundamental concepts in science were explained by the volunteers. DAY 2: The participants had a unique opportunity to visit research ship ‘Sagar Nidhi’ owned by National Institute of Ocean Technology (NIOT) and were explained about the research activities involving collecting of water samples at different water depths, measuring temperature, salinity, pH etc. This marked one of the most exciting events of the programme and fulfilled the objective of igniting the curiosity and scientific temper to students from remote and rural background. Students also had the opportunity to visit various laboratories at CSIR-CLRI. They were explained the process of leather making, visited the Biotechnology lab and got to know about the research activities and the equipment. They also had the opportunity to see sophisticated scientific instruments employed for advanced research. DAY 3: Under the theme Students-Scientists Interaction, participants had the opportunity to know about latest research on two areas: Bio-fuel from marine organisms and the emerging 3D printing technology. Hands on experiment in Chemistry by live demo of various chemical reactions with suitable explanations enhanced their enthusiasm. DAY 4: The last day of the event began with the hands on experiment in Physics, where basic concepts like weight, gravity, sound wave etc., were demonstrated with tools/equipment. The students and teachers had the privilege of hearing to the inspirational talk of the Hon’ble Minister for Science, Technology and Earth Sciences, Govt. of India, Dr. Harsh Vardhan. Finally, a poster session was organized where the students presented about the facilities available in their village and the elected representatives of their locality. They were judged by experts of Judges and were asked to identify important amenities required for their school and village which will become a part of consolidated recommendations to be submitted to the Government of India.
This house was named after Srinivasa Ramanujan who is an all-time great mathematician of India. Dr. K. Purna Sai, CSIR-CLRI was the house coordinator. The house comprised of 53 teachers and 253 students. The event commenced with the registration of the participants and inauguration at Anna University, Chennai.

The post lunch session on the first day was an excited poster presentation wherein the children from each group exhibited their creativity in describing the needs and the methods of solving their local problems by the equipment designed by them. The second day activities in Ramanujan house began with Student-Scientist interaction on pre-lunch session wherein Scientists from NIOT and CSIR-CLRI provided ample scope for interaction. The post lunch session had hands on experiments in chemistry session which included interesting live demonstrations such as magic with indicators, elephant tooth paste etc. The third day activities began with innovative methods of demonstrating Newton's laws of motion, heat and thermodynamics etc., initiating interest in practical principles of physics. This was followed by the wonderful experience of visit to the Birla planetarium post lunch. On the final day, the participants were provided the opportunities to visit some of the laboratories at CSIR-CLRI especially with reference to leather processing, biological experiments such as programmed cell death, NMR and the sophisticated instruments which enabled them to have long impact on the importance of recent developments in science. The participants were enthralled by the visit and the motivating speech of the Honourable Science and Technology Minister Dr. Harsh Vardhan.

This house was named after Sir C V Raman, whose discovery made it possible to map out the levels of possible energy gains of the molecules and atoms to the substance and infer the details of molecular and atomic structure. 56 Teachers and 261 students were registered for Raman House which include Poonch (J&K) and Gangtok (Sikkim). The house coordinator for the house was Dr. R. Srinivasan, CSIR-CLRI. The ship visit to ‘Sagar Nidhi’ had been arranged for Raman House along with participants from other houses between 13/10/2017 and 16/10/2017 according to the availability of participants. Most of them could visit the ship and record a high-level of satisfaction towards the exposure and learning about new subjects. Day-1 following the inaugural function, the Students-Scientists interaction was held in the house in the afternoon. Three scientists from CSIR-CLRI and NIOT were jointly involved in this activity. Day-2, 14/10/2017 was planned with two scientific events within the house. Hands on
experiments in Chemistry and Physics were organized in the forenoon and afternoon session respectively. Day-3 activity was mainly the visit to B. M. Birla planetarium. Day-4 was fully engaged with enthusiastic presentations from students of each group along with the support from their teachers. All the presentations were judged by eminent personalities. Further, Honourable Union Minister Dr. Harsh Vardhan visited Raman House and addressed the students with an inspiring speech. The certificates were distributed to all participants on the final day of the event.

**Bhabha House**

In recognition of significant contributions in theoretical high energy physics such as vector meson theory, Bhabha scattering and profound theory of cosmic ray showers by cascade production of gamma rays and positive and negative electron pairs by H.J. Bhabha, the house was named as Bhabha House. Mr. P. Shyam Sundar, CSIR-CLRI was the house coordinator. As many as 59 teachers and 253 students from southern Tamil Nadu to Arunachal Pradesh were part of the house. The programme began on 1st Day afternoon session with hands on experiments in Physics. Students were actively involved in the demos and witnessed concepts behind the experiments related to Newton’s laws of motion, heat and thermodynamics etc. On 2nd Day the program began with a visit to Birla planetarium and the participants had wonderful experience of seeing sky, stars and satellites. Afternoon session was very eventful with interactive poster presentation by the students. On third day, the program began with their memorable visit to Sagar Nidhi ship operated by NIOT in several batches. Other participants were taken to different laboratories of CSIR-CLRI. They visited NMR, Central Sophisticated Instruments Laboratory, Leather Process Division and biology lab. On fourth day, hands on experiments in chemistry followed by student-scientist interaction in the pre-lunch session wherein Scientists from NIOT and CSIR-CLRI had delivered lectures in an interactive mode. The participants were enthralled by the visit and the motivating speech of the honourable Minister of Science and Technology Dr. Harsh Vardhan in the pre-lunch session. Post Lunch session started with lecture by Dr Suguna Lakshmi about 3D printing. Participants thoroughly enjoyed singing traditional songs of their respective villages and then the certificates were distributed to participants on final day.
SARABHAI HOUSE

Sarabhai House was named after Vikram Sarabhai who is widely regarded as the father of India's Space Programme. Dr. N. R. Kamini, CSIR-CLRI was the House Coordinator. The house had the participation of 220 students and 52 teachers. On Day 1, the program began with visit to ship, Sagar Nidhi operated by NIOT and Laboratory visit of CSIR-CLRI in a parallel mode. While the ship visit enabled them to have knowledge about meteorology, geology, oceanographic research and navigation related equipment, the CSIR-CLRI lab visit provided first-hand information about the leather processing, biological experiments such as programmed cell death, NMR and the sophisticated Instruments. Day 2 started with poster presentation wherein the children from each group presented their school activities and described them. Overall 30 presentations were done and the Judges noted the points of each poster exhibition. The post lunch session was on Student-Scientist interaction wherein scientists from NIOT and CSIR-CLRI delivered lectures in an interactive mode. On Day 3, the house witnessed the demonstration of chemistry experiments on magic with indicators, elephant tooth pastes etc., to the participants. The post lunch session began with innovative methods of demonstrating the physics experiments like Newton's laws of motion, heat and thermodynamics etc. On Day 4, the participants visited Birla planetarium in the morning and they overall had wonderful experience.

KALAM HOUSE

In recognition of world renowned Indian Space Scientist A P J Abdul Kalam, the house was named as Kalam House. Mr. K. Karthikeyan, CSIR-CLRI was the house coordinator for this house. In this house, 58 teachers and 216 students had participated. On day 1, after the inauguration of IISF-2017, the afternoon session witnessed demo on Science Experiments - chemistry where the students and teachers could practically see and get exposure to experiments. Day 2, the first session was on demo of Science Experiments - physics. After lunch the students were taken to Birla Planetarium where they attended various planetarium shows organized by the centre. On day 3, session began with poster presentation and discussion where group of students presented a creative hand designed posters dealing with their village. These posters were examined by panel of judges. For this session, the student groups wore ethnic traditional dresses representing their state or village. After the lunch, they had Student and Scientist interaction session, where Dr M. Sugunalakshmi, CSIR-CLRI explained 3D Printing Technology along with a practical demonstration followed by Mr. Magesh Peter, NIOT on Biofuel from Marine Micro Algae. On final day, the participants visited SAGAR NIDHI ship at regular intervals. After the ship visit, students also visited various labs in CSIR-CLRI and witnessed the demonstrations associated with different research activities. Finally, certificates were distributed to the participating students and teachers before their departure to respective places of origin.
The Science Village had witnessed active participation of the students, teachers and house coordinators. The spirit of unity and diversity as well as scientific temper among the participants was clearly evident in all four days in Science Village.

The SCIENCE VILLAGE: “Parliament to Panchayat” was organised at CSIR-Central Leather Research Institute, Chennai, from 13th-16th October, 2017 as a part of India International Science Festival. The Science Village was divided into six houses viz., Aryabhatta, Ramanujan, Raman, Sarabhai, Kallam and Bhabha. Hon’ble Members of Parliament had nominated students and teachers from their respective adopted village under Pradhan Mantri Sansad Aadarsh Gram Yojna. The idea behind conducting Science Village was to reach out to the rural masses and propagate science to the extent of seeking scientific solution to the diverse challenges facing our society. The Science village was visited by around 1500 students accompanied by around 335 teachers from different regions of India.

With a view to supplement science education given in schools and to foster a spirit of scientific attitude and creativity among the students, the NIOT organised Ship visit followed by visit to various departments viz., Leather Process Technology, SPDC-CLAD, NMR and CSIF of CSIR-CLRI for the benefit of the students. Wide range of activities and demos were also part of the Science Village.

Besides other visitors, Hon’ble Minister of State for Health and Family Welfare, Shri Ashwini Kumar Choubey, Hon’ble Minister for Science and Technology, Dr. Harsh Vardhan and Dr. T. Ramasami, Former Secretary, DST & Former Director, CSIR-CLRI had also visited and interacted with student participants.
INDIAN LEATHER INDUSTRY - STRIDING WITH CONFIDENCE

COUNCIL FOR LEATHER EXPORTS
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Event organisers:

Ege University (Turkish: Ege Üniversitesi) is a public University in Izmir, Turkey. It was founded in 1955 with the faculties of Medicine and Agriculture. It is the first university to start courses in Izmir and the fourth oldest university in Turkey. Ege University commonly ranks close to the top among research universities in Turkey.

Ege University in Bornova, a district of Izmir, the third largest city in Turkey.

Campus: Suburban, 852 acres (3.45 km²)
Location: Bornova, İzmir, Turkey
Students: 65,088
Academic staff: 3,185

It currently consists of 15 faculties, 6 junior college-type schools (with 4 years of curriculum), 10 vocational training schools (with 2 years of curriculum), 9 institutes and 36 research centers.

Leather Engineering Department of Ege university is 30 years old and it is part of Engineering faculty. At present academic staff of the department consists of two Professors, six Associate Professor, three Assistant Professors, nine Research Assistants. I was informed that present five storey building where department is located, was constructed on contribution by Turkish Leather Industry.

Engineering Congress:

The theme of the Congress was “Innovative Aspects for leather Industry”. The congress organised by leather Engineering department in association with 22 countries including India. The undersigned is one of the member of Scientific Advisory committee.

Opening ceremony was simple and crisp. Congress was declared open by the Chairman of organising committee. Second time degree/diploma certificates were issued to its first batch of students.

Technical session started with Harmancioglu memorial lecture by Dr S Rajamani.

There were total 30 oral presentations which was divided under TWELVE technical topics focusing on

- Materials
- Biомaterials
- Composites
- Environmental Management
- Footwear
- Functional Products
- Innovative Technologies
- Machinery
- Cultural Heritage
- Quality Control
- Systems and Technologies
- Quality Management

Dr BN DAS presented two papers of title:

- DESIGN OF REMOVAL WALKER FOR PATIENTS WITH DIABETIC FOOT ULCER FOR PRESSURE OFFLOADING
  This paper described how to design a removal walker using biomechanical principle and engineering an orthosis to enable patient to off loading the pressure

- STUDIES ON TRIBOLOGY OF FOOTWEAR AND FLOORING
  This paper described relationship between shoe, floors and contaminants and how this information could be used to identify material sand cleat design for industrial and other activities of footwear.

Both the papers were well appreciated and several participants were interested in the full text of the papers and invited the author to participate in their respective forth coming events.

Mr. V. John Sundar of CLRI presented the paper titled “Study on organic fertilizer from proteineous wastes from leather industry”. The developments made in solid wastes and the environmental issues were highlighted. It was well appreciated by the Congress delegates. Many tanners and Researchers expressed interest for collaborative projects.

Also, another oral presentation was made by him titled “A viable utilization of fleshings as a retanning agent” which attracted huge interest among the
participants. Many participants expressed interest to collaborate with CSIR-CLRI in the field of waste management.

There were 22 poster presentations displayed in three sessions.

**Advantage of participations of the congress:**

Although the congress is organised by Turkey every alternative year, Romania organised similar congress other alternative years. European influence was clearly visible at the congress. Insight of EU FUNDED projects such as:

1. **LEAMAN: Manger in an Efficient and Innovative Leather Company**
   This is the quality improvement programme for existing and aspiring managers for leather and leather products industries

2. **Erramus+** is the EU programme in the field of education, training, youth and sport which can make a major contribution to help tackle socio – economics. This programme is now open to India. Faculty who aspire for higher degree, but could not do so in Indian universities because of UGC rule could enrol in this program and could get PhD degree. Staff of FDDI could be beneficiaries of such program

3. **Fit 2 com** : similar to skill India program but with enhanced objective such as Comfort and healthy Footwear manufacturing. As there is very less number, EU youth are interested for employment in leather industry, this program too will be open for Asian and African Countries. LSSC may study this program.

**Way forward:**

With advent of Science and technology, Automation and use of other modern technologies - will be used in the production of Footwear and other leather goods. Assembly of shoe components require quality application of engendering knowledge. Industry 4.0. which is at present flagship program among the institutions of EU could be participated indirectly by forging cooperation with EGE University and other European institutions.

LSSC may explore possibility of participating in “Skill development programmes with CENTRO TECNOLóGICO DO CALÇADO DE PROTUGAL (CTCP) of Portugal.

CSIR- CLRI may explore Exchange of faculties and students with EGE university and it may be formalised under CSIR Indo –Turkey program.
Solidaridad, Stahl & PUM launch five-year tannery project for a cleaner Ganges river

Solidaridad, Stahl and PUM Netherlands senior experts and a number of Indian partners officially launched a public-private partnership to clean up the Ganges. The project endeavors to make the Kanpur Leather Cluster more sustainable by implementing new working methods and state-of-the-art technologies with a lower environmental impact. This five-year project aims to address several challenges related to overall water use and pollution from the Kanpur leather cluster, which is partly responsible for pollution loads in the Ganges.

The overall objective of the five-year project is to reduce the effluent water discharged by tanneries at least 40% and to introduce alternative technologies and processes at tanneries with a reduced environmental impact. Solidaridad, Stahl and PUM are working together with the local partners Uttar Pradesh Leather Industry Association, Small Tanners Association, Central Leather Research Institute and Ganga Pollution Control Unit. The latter is part of the wider ‘Clean Ganga’ initiative launched by the Indian government several years ago.

Together these partners will introduce environmentally cautious production methods and train tannery staff on best practices. A Stahl Center of Excellence will be established to demonstrate more sustainable technologies. In addition, there are activities for downstream communities about efficient water use for irrigation and livestock farming. “Solidaridad sees cooperation with tanneries and governments as the key to a cleaner Ganges”, says Gert van der Bijl, International Programme Manager Livestock & Leather at Solidaridad. “Together we work on sustainable work practices for these tanneries. Solidaridad will introduce new technologies, business processes and trainings at all levels to diminish water use and pollution. Improving working conditions as an important focus.”

With this project, Stahl reaffirms its commitment to achieving a more sustainable leather industry via transparency. “At Stahl we believe in actively promoting safe usage of chemicals around the world,” says Michael Costello, Director - Sustainability at Stahl. “We are well aware of the complex issues in the Kanpur leather cluster where some 400 tanneries discharge 50 million liters of waste water each day. We also understand that we alone cannot change the situation, so we have joined forces with industry partners and local authorities to contribute to the clean-up already underway of this iconic and sacred river,” he adds.

“There is a lot of talk about aid & trade these days, but bringing tangible benefits to working class families while sparing the environment is hard work,” PUM CEO Johan van de Gronden says. “We are proud to work with governments, the industry, NGO’s and the local communities to help build a leather supply chain that is as vibrant as it is clean.”

The project is supported by The Sustainable Water Fund programme (FDW), a public-private partnership facility of the Dutch Ministry of Foreign Affairs. Solidaridad is the overall project coordinator and consortium leader, Stahl is the main private contributor and PUM provides technical assistance and training support from senior experts.
The FIVE-YEAR TANNERY PROJECT FOR CLEAN GANGA project was launched in Kanpur on 13 November 2017, by Alphonsus Stoelinga, ambassador of the Netherlands to India, Nepal and Bhutan in presence of the following honoured guests:

- Ella Lammers, The Sustainable Water Fund (FDW)
- Nico Roozen, Executive Director, Solidaridad Network
- Johan van de Gronden, Global CEO, PUM
- Michael Costello, Global Sustainability Director, Stahl
- DP Mathuria, Executive Director, National Mission for Clean Ganges
- Ashish Tiwari, Member Secretary, Uttar Pradesh Pollution Control Board, Kanpur
- Dr B Chandrasekaran, Director, CLRI
- Mukhtarul Amin, National Chairman, Council for Leather Exports, India
- Dr Shatadru Chattopadhayay, Managing Director, Solidaridad Network Asia.

**Solidaridad promoting technologies of CSIR-CLRI**

M/s Solidaridad, Netherlands based Non-Governmental Organization (NGO) along with CSIR-CLRI as technology partner promotes technologies of CSIR-CLRI for pollution reduction and efficient water use in Kanpur-Unnao leather cluster. A MoU has already been signed between Solidaridad and CSIR-CLRI that Solidaridad would disseminate the technologies of CSIR-CLRI to meet their objectives. H.E.Mr Alphonsus Stoelinga, ambassador of the Netherlands along with the dignitaries visited M/s Kings International to understand the Electro-oxidation based Zero wastewater discharge demonstrated by the scientists of CSIR-CLRI.
AWARNESS SEMINAR ON
“DEVELOPMENT OF CHICKEN FEET LEATHER AND LEATHER PRODUCTS”
09TH NOVEMBER 2017 at CSIR-CLRI, Chennai

Council for Scientific and Industrial Research (CSIR) and Micro Small Medium Enterprises (MSME), Govt. of India had jointly initiated a scheme focused at industries to take up technology developed by CSIR. As part of this, CSIR-Central Leather Research Institute (CLRI) had approached CSIR & MSME to sponsor the awareness seminar on their technology titled “Development of Chicken Feet Leather and Leather Products”. The seminar focus was to create awareness among the potential organisations about this technology and the end user can adopt this technology in their existing or new business venture. The event was conducted on 09th November 2017 at Heritage Hall in CSIR-CLRI with delegates and various dignitaries from the Leather and products Industries.

The Welcome & Opening remark of the seminar was made by Director CSIR-CLRI, Dr. B. Chandrasekaran, Speaking to the audience from Indian Leather Products Association (ILPA), Leather manufacturing industries and faculty & students of National Institute of Fashion Technology (NIFT), he emphasised on the need of other alternate sources of raw materials such as chicken feet leather that could support in the product development sector. The texture of this raw material is one of its unique kind with natural pattern. Following his address a brochure on “Chicken feet Leather and Leather Products” was released by Chief Guest of the event Shri. Ramjee Yogasundaram and the first copy was received by Director, CSIR-CLRI.
The Chief Guest for the event Shri Ramjee Yogasundaram, President, ILPA, Southern Region, during his address, discussed the importance of research and industry interaction and its benefits for a sustainable future for leather industries. Chicken feet leather could be a potential raw material for leather products and should be properly utilised because of its abundance. He also discussed that technology is the important factor and its association with new raw materials can bring new changes in Fashion industries.

Followed by inauguration, technical session was conducted with four lectures namely
1. Process Technology for Chicken Feet Leather
2. Design and development of Chicken Feet Leather products
3. Smart leather for products application
4. Leather combination products: Future prospects
First lecture was delivered by Mrs. Venba, Senior Principal Scientist, Leather Processing Technology dept., CSIR-CLRI. During her address to the audience, she discussed about the volume of the raw materials available and the feasibility of the new raw materials for leather products application. She also elaborated the technology about processing starting from the peeling operation till the finishing of the leather. Finally she concluded with the costing of this material and the benefits of this new raw material.

Product design and development of chicken feet leather products were explained by Shri. K. Karthikeyan, Scientist, Shoe & Product Design Centre. The details about the fabrications as well as designing with raw materials were explained to audience. The market research and nuance of design in the development of product was showcased during the presentation.

Dr. P. Thanikaivelan, Principal Scientist, Advanced Materials Lab, explained about the new leathers developed at CSIR-CLRI for smart products application. He discussed about conducting leathers and magnetic leather and their possible application in product industries.

Dr. K. Phebhe Aaron, Principal Scientist, Shoe & Product Design Centre, elaborated the various natural fibre materials and the future prospects of Leather Combination Products. She emphasised on the latest design and development being carried out in CSIR-CLRI with respect to Combination products.

The session concluded with a vote of thanks by Dr. K. Krishnaraj, Head, Shoe & Product Design Centre, CSIR-CLRI. He in his address thanked the delegates who attended the session and made a grand success.

Interaction during Product Display
During the interaction, industry delegates showed interest on the products displayed. They also discussed with the speakers about their presentation.
Reference CLE No.CLE/HO/EXH/DA-2017 dated 31st October 2017 and addressed to: All Members of the Council (Garments / Accessories / Footwear / Footwear Components) Free-lance Designers & Design Course Institutions

The CLE Design Award was instituted in January 1997. The “Design Award” is for increasing ‘Fashion & Design’ awareness in the Industry and help Indian leather & leather products find a place of prominence in the global fashion world of leather. It is also towards encouraging and promoting design capabilities within the country.

Every year CLE presents Design Awards to Member-Exporters of the Council, Free-lance Designers and Students of Design Course Institutions. This year also, it has been decided to get entries from Manufacturers / Exporters of Garments, Leather Accessories, Footwear & Footwear Components, Free lance designers and students of Design Institutions for the CLE Design Award 2018. Design entries from the Students of Design Institutions should be submitted through their Institution Head / Department head only. Design entries received directly from the students will not be accepted for the Design Competition.

The Award Categories are given below:
The Design Entries should be of International standard to project the capability of Indian Footwear / Leather Products Designs.

**SHOES**

BEST SHOE DESIGN:
Men’s Shoes – Formals
Men’s Shoes – Casuals
Ladies Shoe – Formals
Ladies Shoe – Casuals
Men’s Boot
Ladies Boot
Children Shoes

**LEATHER GOODS / ACCESSORIES**

BEST DESIGN:
Hand bags (Ladies / Gents)
Small Leather Goods
Leather Garments
Gents Garments
Ladies Garments

**Footwear Components**

The Criteria for selection of the Best design is:
- Workmanship
- Conceptual novelty
- Market segmentation
- Eye appeal
- Ease of manufacture
- Presentation

**International Footwear Design Competition**

The International Footwear Design Competition, organized by Confederation of International Footwear Conference (CIFA) and sponsored by Top Repute Co., Ltd., aimed to create a strong competitive platform to encourage young designers worldwide to make a positive impact towards the industry.

While on the subject of Design Awards, we would like to inform that the Confederation of International Footwear Associations (CIFA) has instituted an International Footwear Design Competition (IFDC) to promote design capabilities among member countries.

The Council, being a member of CIFA will be taking part in this International Footwear Design Competition 2018. For this purpose, as in the case of last year,
the existing Annual Design Award for Footwear will be upgraded as International Level Design Competition. The winners of the Annual CLE Design Award 2018 for Footwear would be automatically the nominees of the Council for the International Footwear Design Competition of CIFA.

The winning entries are to be sent as CLE’s entries for the International Footwear Design Competition as per the rules & regulations of International Footwear Design Competition. The Rules & regulations and the details of the International Footwear Design Competition along with Application form will be sent to the winners of CLE Design Award 2018 for Footwear as soon as it is received from CIFA.

Since the Design Award of the Council has been upgraded to International Level Design Competition, the Footwear Design entries must be of international standard to project the capability of Indian Footwear Designs. The entries may be related to the Autumn Winter 2018 / 2019 season. All Samples submitted for the competition shall be the property of CIFA and no member countries would claim ownership to them.

All Design Entries should be sent along with the following materials;

Design layout to be illustrated on a A3 hard board (Size 295 mm X 420 mm)
Design layout with information on usage of colour and materials
One pair of Shoes (only for Enterprise Group)

Photograph of the sample(s) along with name of the Designer

Design Entries without the above materials will not be eligible for Design Competition.

The entry fee per product-design is as follows:
1. Manufacturer-Exporters of leather products - Rs.1000/-
2. Free-lance designers - Rs.1000/-
3. Design course students - FREE

One ‘free entry’ is allowed with one compulsory ‘payment entry’. Any number of entries can be sent. The exhibits (leather garments, leather bags, other leather goods / accessories / Footwear and Footwear Components) must be securely packed with a write up about the product (not exceeding 100 words) and together with the Cheque / DD drawn in favour of “COUNCIL FOR LEATHER EXPORTS’, be sent to Design Awards 2018, C/o. Fashion Studio, CSIR-Central Leather Research Institute, Adyar, Chennai – 600 020 on or before 5th December 2017 under intimation to this Office.

The selection of designs will be done by a Jury Committee comprising of experts and eminent industrialists from Leather sector. The awards will be distributed during the Leather Week 2018 (Jan 27 – Feb 3, 2018).

For further details, please contact: Mr R.Ramesh Kumar, I.A.S., Executive Director, Council for Leather Exports at email: cle@cleindia.com

Lion MJF N Mohammed Sayeed, Chairman, SSC Group of Companies awarded Doctorate
(source: Council for Leather Exports, Leather News India, October 2017 edition)

Lion MJF N Mohammed Sayeed, founder partner of M/s Shafeeq Shameel & Co has been awarded Honorary Doctorate by World Tamil Classic Language University for his life time dedication to social service apart from his service to leather industry. The award was presented by Honorable Justice MV Muralidharan, Madras High Court.

Mr N Mohammed Sayeed is the founder of Shafeeq Shameel Social Service which is running a clinic for women & children on non-profit basis in the name of Md. Yahya Medical Centre and free ambulance service in Tamil Nadu.

Mr Sayeed is also rendering social service through his trust, N. Mohammed Sayeed Charitable Foundation and through Lions Club. Mr Sayeed is also rendering service in the field of education and healthcare.

Mr N Mohammed Sayeed is the President of Ambur Tanners Association and Director of Indian Leather Industry Foundation and also Founder Director of Ambur Economic Development Organisation Limited (AEDOL) and Ambur Effluent Treatment Co., Ltd. (AMBURTEC)
TIPS TO SAFEGUARD DURING MONSOON SEASON

Dr K Parimala, Medical Officer, CLRI Dispensary

The monsoons are a welcome change from the sweltering summer heat, but they bring some very unwelcome guests which must be avoided at all costs.

1. **Follow a healthy diet**
   - This is the season where the body and especially the digestive system are most prone to infections.
   - It is important to maintain a healthy diet in rainy season, which means that your favourite chaat, juices, golas, kulfis and other street food are off the menu.
   - Preferably avoid raw vegetables and salads unless they are consumed at home where you can wash and clean them thoroughly.

2. **Drink enough water, regardless of your activity levels**
   - Do not compensate your liquid intake with carbonated, caffeinated, and alcoholic drinks and beverages as the preservatives and sugars in them act as diuretics.
   - Herbal teas with antibacterial properties are a good idea.
   - Diseases in the rainy season are mostly water-borne so make sure you only drink water that is filtered or boiled.

3. **Avoid walking in the rain**
   - As much as it is tempting, walking in rain water makes you prone to a host of viral diseases such as leptospirosis and can also cause numerous fungal infections at the feet and nails.
   - Also, if your feet get wet, dry them immediately and do not stay in wet socks or shoes.
   - Diabetics especially must take extra care and avoid walking barefoot as the ground is rife with all kinds of germs.
   - If your clothes get wet, change them immediately and do not sit in an AC environment.

4. **Keep clear of damp indoors**
   - Damp walls are home to fungus growth and an absolute no-no if you suffer from asthma or any other breathing problems.

5. **Don’t leave home without a mosquito repellent**
   - Accumulated water is a breeding ground for insects and the monsoons are party time for malaria.
   - Use mosquito nets, creams and repellents to protect yourself from mosquito bites.

6. **Bathe twice a day**
   - A shower as soon as you reach home in the evening will insulate you against infections caused by the build-up of sweat and dirt due to humidity.
   - Take Vitamin C to boost your immunity.

7. **Avoid touching your eyes**
   - Eye infections like conjunctivitis, stye, dry eyes and corneal ulcers are common during the monsoons.
   - Refrain from touching eyes especially with dirty hands, those who spend long hours in front of a screen—television or computer—may also experience redness, itching or irritation.
   - Consult a doctor immediately if symptoms persist or else this can lead to blindness if ignored.
CALL FOR PAPERS

We are pleased to invite you to present your work at the 20th International Technical Footwear Congress of the International Union of Shoe Industry Technicians (UITIC), which will be held on 16-18 May 2018 in Porto. UITIC has entrusted the organization to the CTCP (Footwear Technology Centre of Portugal) and APICCAPS (Footwear and leather Portuguese association).

Footwear manufacturers and experts will discuss on the future of the footwear factories and the main innovations will be presented. The common topic will be:

FROM FASHION TO FACTORY: A NEW TECHNOLOGICAL AGE

Modern digital technology has transformed consumer behavior, as well as sustainability matters including: environmental, fiscal and societal, all of which when combined, will irrevocably alter the entire footwear industry. Frequently, new consumer trends emerge and the importance of fashion becomes preponderant in every market (safety, sports, children, senior, ...). Since the first gathering of the UITIC Congress in 1970, there has never been such a boundless period of technological transformation as today, similar in amplitude to that of the 19th Century industrial revolution. Previously discarded organizational and technological practices have emerged again under a new modern context. Customization within design and manufacturing, once thought virtually extinct, now dominates the industry, requiring production tools along with an always more important flexibility and reactivity.

Advances in computing, chemistry, robotics and material science technology will continue to exponentially increase, at such a rapid pace that our current growth period will appear stagnated. The footwear industry, the foundation of fashion and our consumers, manufacturers and providers of logistical services will all be deeply impacted.

Sustainability must be one of the highest priorities for the footwear industry in order to remain competitive. To prolong sustainability in this dynamic market requires companies to be agile, innovative, and technologically proficient, while forming closer relationships with the consumer.

Staff have to be prepared to these new issues, new jobs, and new management methods. The footwear industry won’t be able to succeed this technological mutation, if it has not taken into account this crucial dimension.

With this in mind, the 20th UITIC Congress is pleased to present innovative solutions to cope with the future consumers’ needs and prepare what will become the new technological age.

UITIC, CTCP and APICCAPS count on your cooperation to propose an attractive event to the worldwide footwear community!

http://www.porto2018.uitic.org/

1. HEADLINES OF THE CONGRESS

SESSION 1: New products, New services linked to consumers’ needs
To understand the needs of the markets including the niche markets, consumers’ needs, and to propose an answer to it with new products, new materials, new concepts. Innovative, realistic and concrete solutions are expected, particularly on the following subjects:
- Consumers’ needs analysis
- Monitoring of the factors shaping fashions
- Permanent market research consumer-oriented
- Connected products
- Customization
- Innovation in footwear design
- Innovation in new services linked to the footwear market
- Innovative materials
- Integrating monitoring and control technologies into footwear
- Artificial intelligence to drive fashion and understand consumers

SESSION 2: Intelligent development and manufacturing: towards a technological revolution
To deal with these major economic, technological, organizational challenges, industrials have to rethink their tools. New technologies are indispensable means to provide more improved, secure, flexible, reliable, competitive tools. They constitute a vast field of improvement in the overall competitiveness of the company. It is essential to reduce the times of innovation, design and production, through the massive use of models and digital data exchanges. These topics could be proposed:
- Intelligent factories (Industry 4.0)
- Smart Robotics in manufacturing processes
- New CAD-CAM platforms, new PLM, and new ICT peripherals
- Multiple and advanced applications of additive manufacturing (3D printing and others)
- Modelling and simulation tools (product or process performance)
- Assistance to operators: cognitive (through AR and VR) or physical
- Concrete and innovative solutions to improve flexibility and reactivity
- Process data gathering and analysis (footwear big data and analytics)

http://www.porto2018.uitic.org/
SESSION 3: Sustainability, supply chain transparency and regulatory trends impacting on factories

Taking into account that consumers and distributors’ expectations on societal and environmental aspects will more and more impact footwear factories. Clean and safe factories, implicated into their industrial ecosystem, thrifty in raw materials and energy, controlled supply chain, whatever the supplier’s rank, will be essential for all the footwear manufacturers.

This session will include all papers concerning these topics:
- Ecology & shoes integrating “eco-materials”
- Sustainability of factories
- Labeling systems and market/consumer confusion
- Standardization and certification
- Prevention of environmental risks
- Supply chain management
- Traceability (leather, materials, components, shoes)
- Durability and quality of products
- Life Cycle Assessment, recyclability

SESSION 4: Logistics, Advanced retail and marketing

The development of e-business and its impact on logistics and distribution, personalized product development, new sales concepts, organization of the supply chain to anticipate market requirements. Innovative, realistic and concrete solutions are expected, particularly on the following subjects:
- New consumers and new distribution channels
- Next generation of 3D configurators and Augmented Reality
- Innovation in distribution systems
- Improved integration and management of the value chain
- Innovation in logistics system
- New communication tools for companies
- Retail driven on demand manufacturing

SESSION 5: Human centered factories and a new way of management

The new technological age in which we are entering, will impose deep evolutions regarding man’s place in footwear industry. It needs a human-centred factory, in order to better take into account collaborators’ expectations all along their active life and better attract talents it needs. Digital revolution will strongly impact the way of management

http://www.porto2018.uitic.org

2. CALL FOR PROPOSAL - General Information

The Scientific Committee propose two categories of presentation:
- Spoken presentation: Speech (20 min) and questions
- Visual presentation: Poster exhibited during all the congress – Work Presentation during the breaks – formal presentation could be organized (depending of the scientific program schedule)

a. Submission Process:
- The online abstract submission will be open soon on http://www.porto2018.uitic.org
- All abstracts must be submitted online no later than 20 December 2017. Please note that abstracts sent by fax or regular mail will not be accepted. Abstracts submitted after this date will not be considered.
- One presenting author may submit only two abstracts.
- The author who submits the abstract will be notified the receipt of abstract and assigned an abstract number by organizers. Please refer to this abstract number in all correspondence. Please contact the Congress Secretariat if the notification is not received within a week of submission.
- Individuals may submit their abstract for consideration in either poster or oral presentation. Abstracts not offered an oral presentation will be offered a poster presentation. Abstracts should contain sufficient data to represent the proposed presentation and fall within the scope of the Congress. Abstract that does not include sufficient data or does not fall within the scope of the congress may be rejected.

http://www.porto2018.uitic.org/

Accepted abstracts will be published in the proceedings of the Congress. The Scientific Committee reserve the right to allocate abstracts into sessions as they see fit, in accordance with the overall program objectives. Further information on presentation requirements and preparation of posters will be provided on the website in due time.

Instructions to prepare abstracts and submission:

All abstracts must be written in English. All abstracts must be approved by all authors before submission. The presenting author will receive all correspondence concerning the abstract and he is in charge of informing the other authors of the status of the abstract.

Presenter Name & Title & Address— List the full name and title of the person who will present the paper. List the name of the department, institution and full postal address (including zip/postal code and country, e-mail). Authors’ names and other details should be entered in the appropriate fields. Select the relevant session you are submitting your abstract. Select the presentation type (oral or poster). Title of abstract: it should be short but descriptive. Title should be entered in the “Title Field”. Abstract text should be entered in the “abstract field”. Abstract should be 200-250 words. The system will not accept the submission of the abstract if it is more than 250 words. Abstracts must use correct grammar and punctuation. Standard abbreviations may be used. Changes are not permitted after submission deadlines.
FLC MEETING WITH CLE 21-11-2017

Commercial scale demonstration of enzyme based unhairing at Erode, 26TH October 2017

FLC Stakeholders Meet @ Kanpur, 4th November 2017
Programme on Rehabilitation of Leprosy Cured Person commemorating 150th Birth Anniversary Celebrations of Sister Nivedita on 29th October 2017 at Sri Ramakrishna Math, Chennai. Director, CSIR-CLRI was the Chief guest of the programme. Special camp on the treatment of chronic wounds of Leprosy Cured Person using Collagen materials of CSIR-CLRI technology was conducted on the occasion.

Zero waste water discharge demonstration at M/s Kings International, Kanpur