

11th International Conference on Lead-Acid Batteries



LABAT'2021

8-11 June 2021, Virtual conference



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11th International Conference On Lead-Acid Batteries

LABAT'2021

8 - 11 June 2021, Virtual Conference



Organized by:

Lead-Acid Batteries Department
Institute of Electrochemistry and Energy Systems
Bulgarian Academy of Sciences
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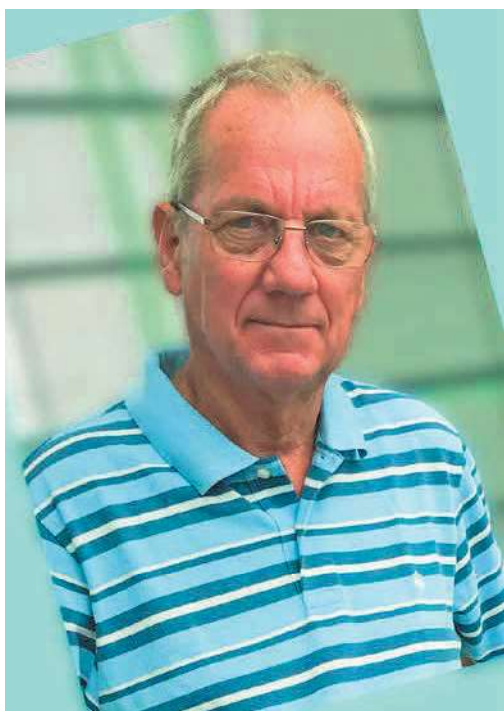
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| Dr. Francisco Trinidad | <i>Exide Technologies, Spain</i> |

Congratulations to Dr. Herbert Giess - the 2021 Gaston Planté Medal winner!

Dr. Herbert Giess was born in 1945 in the small German speaking village Jenesien in the South Tirol region of Italy and has worked for over 30 years for various research centers and companies in Italy, France, Switzerland, China and other countries.



He has numerous fundamental contributions to the development of lead-acid battery science and technology the most important of which include:

- Study of the effect of tin in the lead alloys for positive battery plates and its mitigating action in preventing the passivation of the grids after deep discharge as well as determining its minimum content in the alloy;
- Elucidation of the so called “antimony-free effect” responsible for premature capacity loss of the batteries;
- Qualification of 2V VRLA/AGM cells for back-up power in Nuclear Power plants;
- Co-development with the Institute of Electrochemistry and Energy Systems at the Bulgarian Academy of Sciences of selenium containing alloys for the prevention of negative strap corrosion in VRLA/AGM cells;
- Development of VRLA/AGM cells with > 3000x C10 capacity throughput capability for energy systems applications resulting in the capture a predominant market share in China. Managing the development of essential International Lead Acid Battery Standards for Stationary Power Back-up, Energy Storage Systems and Lightweight vehicles.

“Prof. Detchko Pavlov” Young Scientists Award for best oral or poster presentation

In 2020, the Lead-Acid Batteries Department of Institute of Electrochemistry and Energy Systems (IEES) at the Bulgarian Academy of Sciences decided to establish an award to be presented at each LABAT conference to a young scientist (below the age of 35 years).

The award is named after the eminent lead-acid battery scientist Prof. Detchko Pavlov (1930-2017), founder and head of the Lead-Acid Batteries Department of IEES for almost 50 years and “father” of the series of LABAT conferences. The award is intended to encourage young scientists to strive for excellence in their research work as our brilliant teacher did throughout his life.



Congratulations to Marcel Franke and WenLi Zhang!

The 2021 winners of “Prof. Detchko Pavlov” Young Scientist Award elected by LABAT’2021 attendees with equal percent (34%) of the votes.



Special acknowledgments to the panelists and moderators of LABAT'2021!

The Organizers of LABAT'2021 extend their sincerest gratitude to all experts who took part in the panel discussions. Thanks to their competence and high professionalism, the discussions held during the conference were most interesting and informative, thus they contributed greatly to the high scientific level of LABAT'2021.

Thank you very much, dear colleagues!

Paolina Atanassova

Paul Everil

Jun Furukawa

Juergen Garche

Manfred Gelbke

Herbert Giess

Eckhard Karden

Angel Kirchev

Tim McNally

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