Monday, June 11th, 2018
4.00–6.00 pm registration at art´otel

Tuesday, June 12th, 2018
8.00–8.30 am registration at art´otel

8.30–9.00 am
R. Kawalla, IMF, TU Bergakademie Freiberg, Germany
Tradition and aim of the WMM conferences; R&D on non-oriented electrical steels
at IMF Freiberg– Development of technology for optimum properties

9.00–9.15 am
M. Grismajer, SAENA GmbH, Dresden, Germany
Electromobility competence in the Free State of Saxony

9.15–9.30 am
R. Kawalla, IMF, TU Bergakademie Freiberg, Germany
Joint research project: Low loss FeSi sheet for energy efficient electrical drives

9.30–10.00 am
S. Lee, Posco, Korea
Development of non-oriented electrical steels for eco-friendly vehicles at POSCO

10.00–10.30 am
Coffee Break

10.30–11.00 am
N. Volbers, VAC, Germany
Soft magnetic crystalline FeNi and FeCo alloys – Status and new developments

11.00–11.30 am
M. Villani, Aquilla University, Italy
High performance electrical motors for automotive applications – Status and future of motors
with low cost permanent magnets

11.30–12.00 am
S. Arai, Nippon Steel & Sumitomo Metal Corporation, Futtsu Japan
Recent development of grain-oriented electrical steel for low noise transformers

12.00–1.30 pm Lunch

1.30–2.00 pm
K. Krimpelstaetter, Primetal Austria
Solutions for plant & performance improvement for thin and ultrathin high Si electrical steels
2.00–2.15 pm
S. Melzer, Tata Steel, The Netherlands
In-situ real-time measurement of primary recrystallization in grain-oriented electrical steel using high temperature XRD

2.15–2.30 pm
E. Gallo, Nucor, U.S.
Semi-processed cold rolled motor lamination steels at Nucor

2.30–3.00 pm
A. Dongyang, Shougang Group, China
Present status of application of electrical steels for cars and trucks, especially on thin strip technology for non-oriented electrical steels in China

3.00–3.30 pm Coffee Break

3.00–4.00 pm Poster Session

4.30 pm Departure to Freiberg

Wednesday, June 13th, 2018

8.00–8.30 am
Gong Jian, Shougang Group, China
Tendencies of grain-oriented electrical steels in China

8.30–9.00 am
E. Hilinski, Tempel Steel, US
Semi-processed electrical steels – Standard and improved material grades and their application

9.00–9.30 am
A. Schoppa, PMG Füssen, Germany
Soft magnetic powder materials – Status of development and applications

9.30–10.00 am
V. Franco, University of Sevilla, Spain
Soft magnetic nanocrystalline materials and their application: Status and further developments

10.00–10.30 am Coffee Break

10.30–11.00 am
K. Hameyer, RWTH Aachen, Germany
High efficient electrical drive systems: Influence of power electronic on the magnetic circuit of electric motors

11.00–11.30 am
C. Brombacher, VAC Germany
Status and further developments of RE-magnets
11.30–11.45 am  
L. Ferraris, Politecnico di Torino, Italy  
NdFeB bonded magnets: Processes and applications

11.45–12.00 am  
E. Theisen, Metglas Inc., U.S.  
development of new amorphous and nanocrystalline magnetic materials for use in energy-efficient devices

12.00–1.30 pm  Lunch

1.30–2.00 pm  
S. Sprague, ProtoLam, LLC, US  
Recent progress in optimum material choice and optimal use in electrical machines

2.00–2.30 pm  
A. Bertuzzi, L.A.E., Italy  
State of the art of transformer cores and windings – Innovative solutions for distribution transformer

2.30–2.45 pm  
P. Klimczyk, Dr. Brockhaus Messtechnik GmbH, Lüdenscheid, Germany  
In-line system for continuous segment evaluation of electrical steel after laser treatment

2.45–3.00 pm  
F. De Campos, Federal Fluminense University, Brazil  
Measurements of residual stresses in FeSi steels and their effect on the hysteresis losses

3.00–3.30 pm  Coffee Break

3.30–4.00 pm  
S. Martines, Tenova, Italy  
Innovative solutions for continuous annealing and treatment lines for the production of electrical steels

4.00–4.30 pm  
Xie Shishu, BAOSTEEL, China  
Evolutionary direction of non-oriented Silicon steel materials technology

4.30–6.00 pm  Poster Session

7.00 pm  Conference Dinner
Thursday, June 14th, 2018

8.00–8.30 am
Xian Dong Liu, BAOSTEEL Europe Technical Service Center
Present situation and future of silicon steel material for new energy automobile

8.30–9.00 am
S. Jacobs, ArcelorMittal Global R&D, Zwijnaarde, Belgium
The impact of iCARE® electrical steels for electrified traction on machine performance

9.00–9.30 am
B. Linzer, Primetal, Austria
Status, achievements and outlook of endless steel strip production with a focus on electrical steels

9.30–9.45 am
Youliang He, CANMET, Canada
Evolution of texture in non-oriented FeSi steels

9.45–10.00 am
I. Petryshynets, Slovak Academy of Sciences, Kosice, Slovakia
The development of high-strength NO electro-technical steel with composite microstructure

10.00–10.30 am  Coffee Break

10.30–10.45 am
S. Fortunati, CSM, Italy
Influence of chemical composition and processing conditions on the grain growth kinetics of electrical steels

10.45–11.00 am
J. Schneider, IMF, TU Bergakademie Freiberg, Germany
Evolution of texture at final annealing by recrystallization and grain growth in non-oriented ferri-tic FeSi steels

11.00–11.30 am
G. Abbruzzese, CSM, Italy
Metallurgical modeling of the final coil high temperature annealing in GOES production

11.30–12.00 am
F. Landgraf, IPT, Brazil
Lower losses in electrical steels at kHz frequency by plastic deformation and recovery

12.00–1.30 pm  Lunch

1.30–2.00 pm
A. Moses, Cardiff University, Wales
Quantification of additional losses in rotating machine cores
2.00–2.30 pm
A. Stadler, Hochschule Coburg, Germany
The role of soft magnetic materials for improved power transmission in high power applications

2.30–3.00 pm
B. Bacroix, CNRS – National Center for Scientific Research, France
Stored energy at cold deformation – Characterization and prediction

3.00–3.15 pm
U. Prahl, IMF, TU Bergakademie Freiberg, Germany
Towards integrated material and process modelling and simulation of electrical FeSi steel sheet production

3.15–3.30 pm
P. Anderson and A. Schoppa
Resume of the poster session