

15th International Conference on Superplasticity in Advanced Materials (ICSAM 2026)

Conference Program



August 16–20, 2026, Suzhou, China

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Organized by

Harbin Institute of Technology, China

AVIC Manufacturing Technology Institute, China

State Key Laboratory of Advanced Forming Technology and Equipment, CAM, China

Co-organized by

Harbin Institute of Technology Suzhou Research Institute

School of Materials Science and Engineering, Harbin Institute of Technology

National Key Laboratory of Precision Hot Forming

Suzhou Dafeng Forming Technology Co., Ltd.

Sponsored by

Beijing Puhui Sanhang Technology Co., Ltd.

Suzhou Wuyue Aviation Technology Co., Ltd.

Nanjing Ruiwei New Material Technology Co., Ltd.

Liyang Houzhou Agricultural Machinery Parts Factory

Hefei Haide Hydraulic Press Co., Ltd.

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Committee

Local Organizing Committee

Role	Name	Affiliation / Location
Chair	Guofeng Wang	Harbin Institute of Technology, China
Member	Zhiqiang Li	AVIC Manufacturing Technology Institute, China
Member	Xiaoming Lai	529 Beijing Satellite Manufacturing Co., Ltd., China
Member	Hongjun Lv	Aerospace Research Institute of Materials and Processing Technology, China
Member	Baoyong Li	Beijing Hangxing Machine Manufacturing Corporation, China
Member	Xiuquan Han	AVIC Manufacturing Technology Institute, China
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Member	Yong Wu	Nanjing University of Aeronautics and Astronautics, China
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Member	Shihong Zhang	Institute of Metal Research, Chinese Academy of Sciences, China
Member	Jianlei Yang	Harbin Institute of Technology, China
Member	Junting Luo	Yanshan University, China
Member	Shaosong Jiang	Harbin Institute of Technology, China
Member	Xifeng Li	Shanghai Jiao Tong University, China

Role	Name	Affiliation / Location
Member	Bin Wang	Taiyuan University of Technology, China
Member	Guoqing Chen	Dalian University of Technology, China

ICSAM International Advisory Board

Role	Name	Affiliation / Location
Chair	Prof. Megumi Kawasaki	School of Mechanical, Industrial and Manufacturing Engineering, Oregon State University, Corvallis, Oregon 97331, USA
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Member	Prof. Gencaga Purcek	Department of Materials Science and Engineering, Karadeniz Technical University, 61080 Trabzon, Turkey
Member	Prof. Vincent Velay	Institut Clément Ader - Mines Albi, Campus Jarlard, 81013 Albi CT Cedex 09, France

Role	Name	Affiliation / Location
Member	Prof. Sergey Zherebtsov	Department of Materials Science and Technology, Saint-Petersburg State Marine Technical University, Saint Petersburg 190121, Russia
Member	Prof. Shaosong Jiang	State Key Laboratory of Metal Precision Hot Processing, Harbin Institute of Technology, Harbin, China
Member	Dr. Yves Marcel	LAUAK Aerostructures, 64200 Hasparren, France
Member	Prof. Anastasia V. Mikhaylovskaya	National University of Science and Technology MISIS, Moscow 119049, Russia

Registration Desk

August 16–17, 2026 (Sunday–Monday): 08:00–22:00

Hotel Lobby Registration Desk, Jinke Grand Hotel Suzhou

Address: No. 67 Nantiancheng Road, Xiangcheng District, Suzhou, Jiangsu, China

Tel: 0512-69378888

Conference Schedule Overview

Date	Time	Place	Activity
Aug. 16	08:00–22:00	Jinke Grand Hotel Suzhou	Registration
Aug. 17	08:30–12:10	Shanghai Hall,4th Floor	Opening Ceremony & Plenary
Aug. 17	13:40–17:45	Shanghai Hall,4th Floor	Oral Presentation
Aug. 18	08:30–17:45	Shanghai Hall,4th Floor	Oral Presentation
Aug. 18	19:00-20:00	Chongqing Hall,4th Floor	Committee Meeting
Aug. 19	08:30–15:10	Shanghai Hall,4th Floor	Oral Presentation
Aug. 19	15:30–15:50	Shanghai Hall,4th Floor	Award Ceremony&Closing Ceremony
Aug. 19	17:00–18:00	Suzhou Wuyue Aviation Technology Co., Ltd.	Industrial travel
Aug. 20	08:30–17:30	Suzhou Dafeng FormingTechnology Co., Ltd. Humble Administrator's Garden Hanshan Temple Tiger Hill Shantang Street	Industrial travel & Sightseeing tour

Conference Program

Day 1 — August 17, 2026 Plenary Lecture Venue: Shanghai Hall, 4th Floor

Time	Activity	Speaker and title	Chair
08:30–08:50	Opening Ceremony	Guofeng Wang, Megumi Kawasaki , Welcome Speech	Megumi Kawasaki
08:50–09:35	Plenary Lecture	Ruslan Z. Valiev , Grain boundary engineering of ultrafine-grained materials for advanced superplasticity	
09:35–10:20	Plenary Lecture	Jingtao Wang , Realization of Superplastic Elongation Beyond 10,000%	
10:20–10:40	Coffee Break	—	
10:40–11:25	Plenary Lecture	Kaveh Edalati , Journey of Severe Plastic Deformation from Metals and Superplasticity to Ceramics and Origin of Life	Yves Marcel
11:25–12:10	Plenary Lecture	Donato Sorgente , From Superplastic Behaviour to Superplastic Forming: Bridging Material Characterisation and Process Design	
12:10–14:00	Lunch Break	Rotunda Café, 1th Floor（一楼，璇宫咖啡厅）	

Day 1 — August 17, 2026 Oral Presentation Venue: Shanghai Hall, 4th Floor

Time	Activity	Speaker and title	Chair
13:40–14:15	Keynote Lecture	Yulia Ivanisenko , Plastic deformation processes in nanocrystalline materials and nanoglasses	Ruslan Z. Valiev Jingtao Wang
14:15–14:50	Keynote Lecture	Xiaoning Han , Factors influencing the performance of SPF/DB structures and their latest research progress	
14:50–15:10	Oral Presentation	Sergey Zharebtsov , Superplastic behavior of TiNbZr/(Ti,Nb)B metal-matrix composites subjected to high-pressure torsion	
15:10–15:30	Oral Presentation	Yue Liu , Lath-dominated heterogeneous microstructure enables exceptional superplasticity via dual-mode dynamic recrystallization: A case of Ti–6Al–4V alloy	
15:30–15:50	Oral Presentation	Anastasia V Mikhaylovskaya , Alloying design approach for fine-grained Al-based alloys processed by thermomechanical treatment	
15:50–16:10	Coffee Break	—	
16:10–16:45	Keynote Lecture	Nguyen Quang Chinh , Unlocking Low-Temperature Superplasticity and Novel Mechanisms in Ultrafine-Grained Aluminum Alloys	Werner Beck Xiaoning Han
16:45–17:05	Oral Presentation	Nagore Otegi , Exploring the Potential of Bio-inspired Surface Replication on Aluminium via Superplastic Forming	
17:05–17:25	Oral Presentation	Junliang Guo , Excellent superplasticity achieved via cold-rolled annealing of AlCrFe _{1.5} Ni _{2.6} V _{0.3} eutectic highentropy alloys	
17:25–17:45	Oral Presentation	Muqi Sun , Rapid Prediction of Thickness Distribution for Superplastic Forming Conical Part Based on BP Neural Network	
18:00–20:00	Welcome Dinner	Ruyi Lake Hall-B, 3th Floor (三楼, 如意湖 B 厅)	

Day 2 — August 18, 2026 Oral Presentation Venue: Shanghai Hall, 4th Floor

Time	Activity	Speaker and title	Chair
08:30–09:05	Keynote Lecture	Evgeny Naydenkin , Low-temperature superplasticity of ultrafine-grained titanium alloys, produced by severe plastic deformation	Yulia Ivanisenko Nguyen Quang Chinh
09:05–09:25	Oral Presentation	Xiaoyu Zhang , Rivetless Superplastic Forming Technology for 5083 Aluminum Alloy	
09:25–09:45	Oral Presentation	Tongxu Zhou , Investigation on cryogenic superplastic deformation behavior of ultrafine-grained TC4 titanium alloy	
09:45–10:05	Oral Presentation	Dexi Xu , The high strain rate superplasticity of rolled Mg-4Y-3RE magnesium alloy	
10:05–10:25	Coffee Break	—	
10:25–11:00	Keynote Lecture	Hua Ding , On the superplasticity in a Fe-Mn-Al-C low density steel	Evgeny Naydenkin Xifeng Li
11:00–11:20	Oral Presentation	Wei Fan , On the superplasticity of near-alpha Ti-6Al-3Nb-2Zr-1Mo alloy with bimodal structure	
11:20–11:40	Oral Presentation	Shuwei Ji , The mechanism of thermal deformation coordination and voids emerging at the interface of diffusion-bonded Ti6Al4V	
11:40–12:00	Oral Presentation	Megumi Kawasaki , Lattice-Defect Induced Thermal Behavior of Ultrafine-Grained Copper Examined by Synchrotron X-ray Diffraction	
12:00–14:00	Lunch Break	Rotunda Café, 1th Floor（一楼，璇宫咖啡厅）	

Day 2 — August 18, 2026 Oral Presentation Venue: Shanghai Hall, 4th Floor

Time	Activity	Speaker and title	Chair
13:40–14:15	Keynote Lecture	Elena Bobruk , Features of grain boundaries and mechanisms of low-temperature superplasticity of ultrafine-grained aluminum-based alloys: a critical review	Shihong Zhang Donato Sorgente
14:15–14:50	Keynote Lecture	Werner Beck , Complex geometries and hi-quantity production with hot forming of Titanium	
14:50–15:10	Oral Presentation	Qingbo Yang , Effect of Bi and Si Additions on Microstructural Evolution and High-Temperature Tensile Properties of TiB-Reinforced TC4 Titanium Matrix Composites	
15:10–15:30	Oral Presentation	Jiahui Wang , Numerical Simulation and Experimental Study on the Forming of Complex Components in MnE21 Magnesium Alloy	
15:30–15:50	Oral Presentation	Tianmin Li , Study on Microstructural Evolution and Deformation Mechanism of HC1100/1470QP High-Strength Steel Based on Hot Processing Maps and Bulging Tests	
15:50–16:10	Coffee Break	—	
16:10–16:45	Keynote Lecture	Shihong Zhang , Extraordinary plasticity of 2195 Al-Li alloy at high strain rates	Anastasia V Mikhaylovskaya Chengyue Xiong
16:45–17:05	Oral Presentation	Werner Skrotzki , On the role of grain boundary sliding in nanoplasticity	
17:05–17:25	Oral Presentation	Matvey Klimov , Manufacturing Mg-boron, Al-boron, Ti-boron composites using the superplasticity effect	
17:25–17:45	Oral Presentation	Angela Cusanno , Laser-assisted Gas Incremental Forming (La-GIF) of AZ31 magnesium alloy sheets	
18:00–20:00	Dinner	Rotunda Café, 1th Floor (一楼, 璇宫咖啡厅)	

Day 3 — August 19, 2026 Oral Presentation Venue: Shanghai Hall, 4th Floor

Time	Activity	Speaker and title	Chair
08:30–09:05	Keynote Lecture	Yves Marcel , Insights into surface aging and thermomechanical distortion of superplastic forming tooling for improved durability	Guoqing Chen Sergey Zhrebtsov
09:05–09:25	Oral Presentation	Jun Liu , A hybrid approach to superplastic forming of titanium alloys for sustainable manufacturing	
09:25–09:45	Oral Presentation	Xiaoting Xu , An Experimental and Simulation Study of Mo-Modulated Strength–Ductility Balance and High-Temperature Strength in TiZrNb based Alloys	
09:45–10:05	Oral Presentation	Chunxu Wang , Advances in the Application of Superplastic Forming Technology for Manufacturing Complex Components in Rail Transit	
10:05–10:25	Coffee Break	—	
10:25–11:00	Keynote Lecture	Sergey Aksenov , Mechanical characterization of superplastic materials deformed in uniaxial and biaxial tension conditions	Kaveh Edalati Shaosong Jiang
11:00–11:20	Oral Presentation	Ganeev Artur V. , The scaling effect on the mechanical properties of the ultrafine-grained FeCoCrNiMn high entropy alloy with nitrogen doped	
11:20–11:40	Oral Presentation	Mingyu Ding , Superplasticity of Ti750S titanium alloy and SPF/DB numerical simulation of double-layer hollow wavy ribs	
11:40–12:00	Oral Presentation	Zheng Han , Numerical simulation and verification of SPF process for 5A06 multi-channel curved surface heat dissipation structure	
12:00–14:00	Lunch Break	Rotunda Café, 1th Floor（一楼，璇宫咖啡厅）	

Day 3 — August 19, 2026 Oral Presentation Venue: Shanghai Hall, 4th Floor

Time	Activity	Speaker and title	Chair
13:40–14:15	Keynote Lecture	Lihua Du , Research on Superplastic Forming of Sheet Metal Using Infrared Radiation Heating	Hua Ding Sergey Aksenov
14:15–14:50	Keynote Lecture	Shaosong Jiang , SP700 Titanium alloy Integrated Superplastic forming/Diffusion bonding-Dehydrogenation Technology	
14:50–15:10	Oral Presentation	Md Faiz Akhtar , MD-Informed Anisotropic Phase-Field Modeling of Grain Growth in Polycrystalline Copper	
15:10–15:30	Coffee Break	—	
15:30–15:50	Award & Closing Ceremony		Elena Bobruk Baoyong Li
17:00–18:00	Industrial travel	Suzhou Wuyue Aviation Technology Co., Ltd.	
18:00–20:00	Dinner		

Day 4 — August 20, 2026 Industrial travel & Suzhou sightseeing tour 08:30–17:30

Time	Activity
08:30–09:30	Industrial travel: Suzhou Dafeng Forming Technology Co., Ltd.
10:00–11:20	Humble Administrator's Garden
11:40–12:30	Lunch Break
13:00–14:00	Hanshan Temple
14:30–16:00	Tiger Hill
16:30–17:30	Shantang Street (sightseeing by cruise boat)