

EVS 31 & EVTeC 2018

The 31st International Electric Vehicle Symposium & Exhibition
& International Electric Vehicle Technology Conference 2018

Sept.30-Oct.3,2018

KOBE Convention Center, JAPAN



Leading a Smart Society with New Mobility

Organized by Japan Automobile Research Institute (JARI) Society of Automotive Engineers of Japan (JSAE)
Hosted by World Electric Vehicle Association (WEVA) Electric Vehicle Association of Asia Pacific (EVAAP)
In collaboration with The European Association for Electromobility (AVERE) Electric Drive Transportation Association (EDTA)



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Leading a smart society with new mobility

The 31st International Electric Vehicle Symposium & Exhibition (EVS 31) will be held from September 30 (Sun) to October 3 (Wed), 2018 at the Kobe Convention Center located in Kobe, Hyogo Prefecture. EVS is the world's largest international symposium and exhibition for all fields related to electric vehicles (EV), such as battery electric vehicles (BEV), hybrid electric vehicles (HEV) and fuel cell vehicles (FCV), and is held with the venue rotating between North America, Europe and the Asia-Pacific. EVS already has a long history of nearly 50 years since the first EVS in Phoenix (AZ) USA in 1969. This is the third time for Japan to host EVS, and will be the first time in 12 years, following on from EVS 22 in Yokohama (October 2006) and EVS 13 in Osaka (October 1996). EVS brings together researchers, engineers, companies, government officials and EV-related institutions from around the world under the one roof to present research and to engage in lively discussion. Various EVs and technologies will also be exhibited, making it a rare opportunity for all the latest EV information to be concentrated in one place. We would love to see you at EVS 31 in Japan.



Y. Hori
Yoichi Hori
President, WEVA
Chair, IPC & ISC
The University of Tokyo



H. Sakamoto
Hideyuki Sakamoto
Chair, Organizing Committee
Nissan Motor Co., Ltd.

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Bronze Sponsors

ATJ **AUTO TECHNIC JAPAN**  **SUZUKI**

EVS 31 Overview

Meeting Title	The 31st International Electric Vehicles Symposium & Exhibition (EVS 31) & International Electric Vehicle Technology Conference 2018 (EVTec 2018)	
Abbreviation	EVS 31 & EVTec 2018	
Date	September 30 – October 3, 2018	
Venue	Kobe Convention Center (Exhibition Hall & Conference Center)	
Theme	Leading a smart society with new mobility	
Official Language	English	
Organized by	Japan Automobile Research Institute (JARI) Society of Automotive Engineers of Japan (JSAE)	
Hosted by	World Electric Vehicle Association (WEVA) Electric Vehicle Association of Asia Pacific (EVAAP)	
In collaboration with	The European Association for Electromobility (AVERE) Electric Drive Transportation Association (EDTA)	
Supporters	<div> Ministry of Economy, Trade and Industry (Japan) Ministry of Land, Infrastructure and Transport (Japan) Ministry of the Environment (Japan) Hyogo Prefecture Kobe City New Energy and Industrial Technology Development Organization (NEDO) Japan Automobile Manufacturers Association, Inc. (JAMA) The Institute of Systems, Control and Information Engineers (ISCIE) Next Generation Vehicle Promotion Center (NeV) The Japanese Society for Artificial Intelligence (JSAI) Hydrogen Energy Systems Society of Japan CHAdemo Association The Electrochemical Society of Japan (ECSJ) </div> <div> The Institute of Electrical Engineers of Japan (IEEJ) The Federation of Electric Power Companies of Japan (FEPC) Institute of Electrical Installation Engineers of Japan (IEIJ) Japan Electronics and Information Technology Industries Association (JEITA) The Institute of Electronics Information and Communication Engineers (IEICE) Battery Association of Japan Electric Vehicle Power Supply System Association (EVPOSSA) Japan EV Club Japan Automobile Education Foundation (JAEF) Japan Auto Parts Industries Association (JAPIA) Japan Automobile Importers Association (JAIA) Japan Electric Wiring System Industries Association The Japan Institute of Power Electronics (JIPE) </div>	
Special Support	EVEX 2018, Electric Vehicle & Plug-in Hybrid Vehicle Exhibition	

Registration

Registration can be made via the official website. >>> <http://www.evs31.org/>

Admission for Exhibition and Ride & Drive is free. Registration in advance will help to smooth your registration process on the day of the event. Please register via the official website.



Regular Tickets	Fees (including tax)		Coverage					
	Early bird (Until Aug.20, 2018)	Advanced / Onsite (From Aug.21, 2018)	Plenary Sessions*1	Technical sessions	Exhibition	Ride & Drive	Welcome Reception	Congress materials
Delegates	JPY 55,000	JPY 60,000	✓	✓	✓	✓	✓	✓
Students*2	JPY 3,000		✓	✓	✓	✓	✓	✓
Plenary Sessions	JPY 20,000		✓		✓	✓	✓	
Exhibition Ride & Drive	Free admission				✓	✓		

1. Opening Ceremony, Guest Speech, Keynote Speech, Panel Session, Award Ceremony, Closing Ceremony

2. Students are required to present their student ID card when registering. Students fee was discounted to JPY 3,000.

- **Registration Ticket (Delegate/Student):** Holders of this ticket can participate in all sessions
- **Plenary Sessions Ticket:** Holders of this ticket can participate in the Opening Ceremony, Guest Speech, Keynote Speeches, Panel Sessions, Business Session, Award Ceremony and Closing Ceremony
- **Optional Tickets:** Gala Dinner, Technical Tour, Lunch, Guest (For more details, please refer to EVS 31 website.)

Leading a smart society with new mobility

EVS 31

Plenary Sessions

Oct.1 - Oct. 3

Convention Hall, 1st floor, Exhibition Hall 2

*** Requires a Registration Ticket (Delegate/Student) or Plenary Ticket**

Plenary sessions, which form the main program of EVS31, will be held, including the Opening Ceremony, Closing Ceremony, Guest Speech, Keynote Speeches, Panel Sessions and Award Ceremony.

◆ Opening, Closing and Award Ceremony

The Opening Ceremony will include an opening declaration and greetings by the organizers and host city, Kobe; and the Closing Ceremony will include an Award Ceremony for outstanding presenters at the Technical Sessions as well as a handover to Lyon, France, the host city of EVS 32.

◆ Keynote Speeches

Representatives of leading manufacturers and experts in the automotive industries of Japan, Asia, Europe and North America will present cutting-edge information on electric vehicles and talk about trends for the future.

◆ Panel Sessions

Government officials, engineers and researchers will engage in discussion from their respective standpoints on the smart society of the near future, including how electric vehicles will be linked to our society.

◆ Business Session

Oct.1

Top-level executives from Japanese and overseas manufacturers will talk about the future of electric vehicles.

*** Requires a Registration Ticket (Delegate/Student) or Plenary Ticket**

Exhibition

Sept. 30 - Oct. 2

*** Participation is free.**

Bookings can be made in advance.

This exhibition brings together about 100 EV-related companies from Japan and overseas, showcasing hybrid vehicles, plug-in hybrid vehicles, fuel cell vehicles, parts and components, and more.

◆ 1st floor, Exhibition Hall 1

General information, vehicle exhibition, parts exhibition, etc.

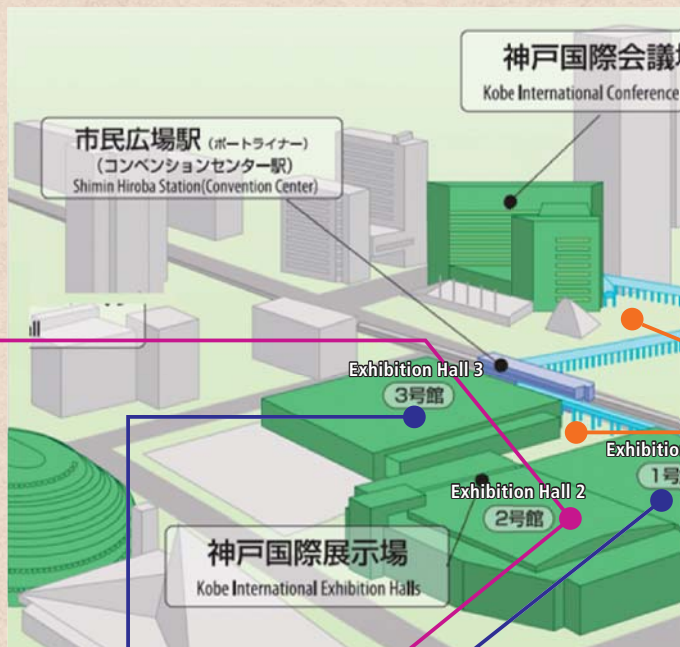
◆ 2nd floor, Exhibition Hall 1

Materials and parts exhibition, etc.

◆ Exhibition Hall 3

Vehicle exhibition, parts exhibition, etc.

*** On the opening day of EVS 31 (Sunday, September 30), an exhibition preview for the press will begin at 9:30, with admission to the general public starting at 11:30.**



EVS 31 Highlight

Smart Society Something New

New Value, New Service

Environment

- Modal Shift
- Use of compact EVs

- Seamless transportation
- Comforts
- Time saving

Leading a Smart Society with New

New Energy

- Renewable Energy
- Clean Energy
- H₂

New Mobility

Electrification

- Power Electronics
- Charging
- Energy Storage
- Propulsion
- Fuel Cell

Vehicle Intelligence

- AI
- Automated Driving

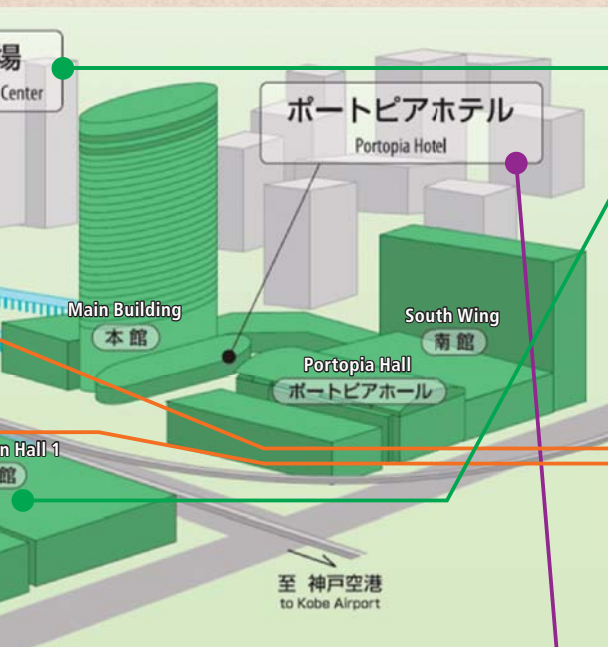
Public Policies

Standardization

& EVTeC 2018

The 31st International Electric Vehicle Symposium & Exhibition
& International Electric Vehicle Technology Conference 2018

Welcome to Kobe, Japan
Sept.30 - Oct.3, 2018



Technical Sessions

◆Special Session & Regular Session (Oral)
Oct.1 - Oct. 3

3rd, 4th, and 5th floor, Conference Center

◆Dialogue Session (Poster)

Oct.1 & Oct. 2

2nd floor, Exhibition Hall 1

* Requires a Registration Ticket(Delegate/Student)

Technical sessions on EV-related themes will be presented by young or senior researchers around the world under one roof, which must bring exciting discussion.

Ride & Drive

Sept. 30 - Oct. 2

* Participation is free. * Requires a driving license

Participants can test-drive/ride electric vehicles (2-wheel, 4-wheel, bus) on an actual course around the venue.

* On the opening day of EVS 31 (Sunday, September 30), Ride & Drive will be open to the press during the 9:30, and to the general public from 12:00.

Technical Tour

Oct. 2

* Requires a Registration Ticket(Delegate/Student)
and pre-registration

Tour participants will visit electric and hydrogen power research facilities and see for themselves the current state of research and development. A separate ticket must be purchased (2,000 yen, including tax). Advance registrations can be made via the official website.

Social Events

* Requires a Registration Ticket(Delegate/Student)

◆Welcome Reception

Sept. 30

Kobe Portopia Hotel

In the evening of the opening day, a Welcome Ceremony and Reception Party will be held to bid welcome to conference participants. Participation at this party is open to anyone holding a Registration Ticket.

◆Gala Dinner

Oct. 2

Kobe Portopia Hotel

This is a special welcome event for conference participants. A separate ticket must be purchased (5,000 yen, including tax).

Safety

- Elimination of traffic accidents
- Protection of the vulnerable road users

Smart Mobility

Connected

- V2X
- ICT

Marketing & Business Model

Electric vehicles are more than just a means of transportation. Incorporating AI, IoT, autonomous driving and other technologies, new possibilities for EV are being nurtured for the next generation of mobility. EVS 31 will promote technologies surrounding next-generation mobility, and campaign for a safe and clean smart society offering new value and new services.

Plenary Sessions

These are special programs of EVS 31. These sessions can be attended by anyone holding a Registration Ticket or Plenary Sessions Ticket.

Opening Ceremony, Guest Speech, Welcome Speech

An opening declaration and address will be presented by the Chair of the Organizing Committee of EVS 31, the Mayor of Kobe, President of the World Electric Vehicle Association (WEVA), President of the Society of Automotive Engineers of Japan (JSAE), and President of the Japan Automobile Research Institute (JARI). Furthermore, in addition to a Guest Speech by an official of the Ministry of Economy, Trade and Industry, a Welcome Speech will also be presented by Honorary Professor C.C. Chan of the University of Hong Kong—a person who has given distinguished service to the dissemination of EV, and who is recognized as the father of EV in Asia.



C.C.Chan
Founder of WEVA
Vice President of EVAAP
Honorary Professor of
University of Hong Kong

Keynote Speeches

Representatives from leading automakers and experts will introduce initiatives for electric vehicles in their respective countries.



Daniele Schillaci
Executive Vice
President
Global Marketing and
Sales, Zero Emission
Vehicle and Battery
Business, MC
Japan/A&O (Japan, Asia,
Oceania Business)
Nissan Motor Co., Ltd.



Shizuo Abe
Executive General
Manager
Toyota Motor
Corporation



Toshihiro Mibe
Executive Vice
President and Director
Honda R&D Co., Ltd.



Minggao Ouyang
Professor, Director of
National Laboratory of
Automotive Safety and
Energy Tsinghua
University
Academician of the
Chinese Academy of
Sciences



Petr Dolejsi
Director
Mobility & Sustainable
Transport,
European Automobile
Manufacturers'
Association (ACEA)



Daniel Sperling
Professor
University of California,
Davis Board Member
California Air Resources
Board

Panel Sessions

1. What is meant by connected technologies that support a smart society?

Expert panelists in policy, automobiles and communications will engage in discussion about potential services that could be provided by EVs thanks to connected technologies.

2. The future image of smart societies driven by EVs

From their respective viewpoints of policy, automobiles, renewable energy, AI, logistics and European policy, panelists will comment on a mobility society of the future driven by the EV evolution.

3. The future of energy supply technologies for EVs

On the topic of power supply technologies for resolving the EV driving range problem, panelists will discuss wireless in-wheel motors, contact-type dynamic charge, high-power charging, wireless charging, and so on.



Moderator:
Tsuguo Nobe
Director
Business Development and
Government Policy
Intel K.K.
Visiting Associate Professor Nagoya
University



Moderator:
Mayumi Matsumoto
Visiting Associate Professor
The University of Tokyo



Moderator:
Chris Mi
Professor
San Diego State University

Technical Sessions in collaboration with EVTeC

Day	Session Titles
Oct.1	Vehicle Motion Control & Dynamic Charging, Power Electronic Components & System Technologies, Batteries, Heavy-duty Vehicles, V2X (V2G & V2H), Impact of EV Economy, In-Wheel/Integrated Motor Technologies, Power Electronic Packages & Modules, Electric Powertrain, EV Market Development around the Globe, Electrical Drive, Charging, Energy Storage Systems, Propulsion Systems & Components
Oct.2	Wireless Power Transfer, Advanced Components for Electric Machines, Energy Storage Systems, Marketing & Car Sharing, Wide Band Gap Devices & Related Issues, EV Charging Infrastructure, Fuel Cell Systems, New Motor Technologies for Electric Vehicles, Power Electronic Components, Environmental Impact, Electrical Drive, Infrastructure, Electric Machines & Control Technologies, Power Electronic Components
Oct.3	Wireless Power Transfer, Energy Storage Devices, Electric Vehicles, Marketing & Car Sharing, Electric Machines & Advanced Components for Transportation Systems, EV Charging Infrastructure, Fuel Cell and Battery Systems, Simulation & Analysis, Life Cycle Analysis, Propulsion Systems & Motion Control Technologies, AC & DC Charging System, Fuel Cell Vehicles

Please note that this program is subject to change without notice.

Exhibition * Free Admission

This is one of the world's largest exhibitions in the field of electric vehicles, with participation by about 100 companies from all over the world, including Japan.

Date : September 30 – October 2, 2018

Venue : Kobe Convention Center

Exhibitors as of July 30, 2018 not including co-exhibitors

Advan Automation Co., Ltd.	MICRO VEHICLE LAB., Ltd.
AISIN SEIKI CO., Ltd.	Ministry of Economy, Trade and Industry
atect corporation	MITSUBISHI MATERIALS CORPORATION
Autoliv Sverige AB	Mitsubishi-Motors Corporation
Ayudante, Inc.	National Institute of Advanced Industrial Science and Technology (AIST)
CHAdEMO Association	Next Generation Vehicle Promotion Center
Charging Interface Initiative e. V. (CharIN e.V.)	NICHICON CORPORATION
China Pavilion	NIPPON CHEMI-CON CORPORATION
Chroma Japan Corp.	Nissan Motor Co., Ltd
Continental Automotive Corporation	ONO SOKKI CO., LTD.
CORRENS CORPORATION	Pentasecurity System
Daicel-Evonik Ltd.	PUES Corporation
DAIHEN Corporation	Qualtec Co., Ltd.
Dai Nippon Printing Co., Ltd.	Quebec-Canada pavilion
DENSO CORPORATION	Ricardo
D&V Electronics Ltd.	ROHM Co, Ltd.
Electric & Hybrid Vehicle Technology International	Shandong Longwei New Energy Technology Co., Ltd.
Electric Vehicle Power Supply System Association (EVPOSSA)	SHIN NIPPON TOKKI CO.,LTD
Forth	Siemens K.K.
FUKUTA ELEC. & MACH. CO., LTD.	Siemens PLM Software Computational Dynamics K.K.
FURUKAWA ELECTRIC CO., LTD.	Silicon Mobility
German Pavilion	STAUBLI
Gridwiz Co., Ltd.	SUBARU CORPORATION
Hino Motors, Ltd.	SUMITOMO RUBBER INDUSTRIES, LTD.
HIOKI E.E. Corporation	Suyin Corporation
Höganäs Japan K.K.	Suzhou eKontrol Drive Technology Co., Ltd
Honda Motor Co., Ltd.	SUZUKI MOTOR CORPORATION
HORIBA, Ltd.	TAITRA (Taiwan External Trade Development Council)
Hydro China	TAIYO SANGYO TRADING & MARINE SERVICE LTD.
Hyogo Prefecture	TAJIMA MOTOR CORPORATION Co., Ltd.
IDTechEx	TANAKA KIKINZOKU KOGYO K.K.
INTRAMCO EUROPE BV	Technova Inc.
Japan Science and Technology Agency	The Society of Motor Manufacturers and Traders (SMMT)
Jeju Special Self-Governing Province	Tokyo R&D Co., Ltd.
JEPICO Corporation	TOYO Corporation
K-eco (Korea Environment Corporation)	TOYO SYSTEM CO., LTD.
Keisoku Engineering System Co., Ltd.	Toyota Industries Corporation
K.FIELD LTD.	Toyota Motor Corporation
Keysight Technologies	Tritium
Kobe City	TÜV Rheinland
KOBE STEEL, LTD.	Vector Japan Co., Ltd.
Lapp Systems GmbH	Visteon Japan Ltd
Malico Inc.	Webasto Charging Systems Inc.
Mazda Motor Corporation	Webasto Thermo & Comfort SE
MEIDENSHA CORPORATION	YAMAHA MOTOR Co., Ltd.
Mentor Graphics Japan Co., Ltd.	

Exhibitor Seminars * Free Admission

Seminars will be held on the days of the exhibition, where participants can hear the latest information on EVs.

Ride & Drive * Participation is free.

The Ride & Drive program will allow participants to test-drive or test-ride EVs (course for 4-wheel vehicles: about 2 km, duration: about 5 minutes).



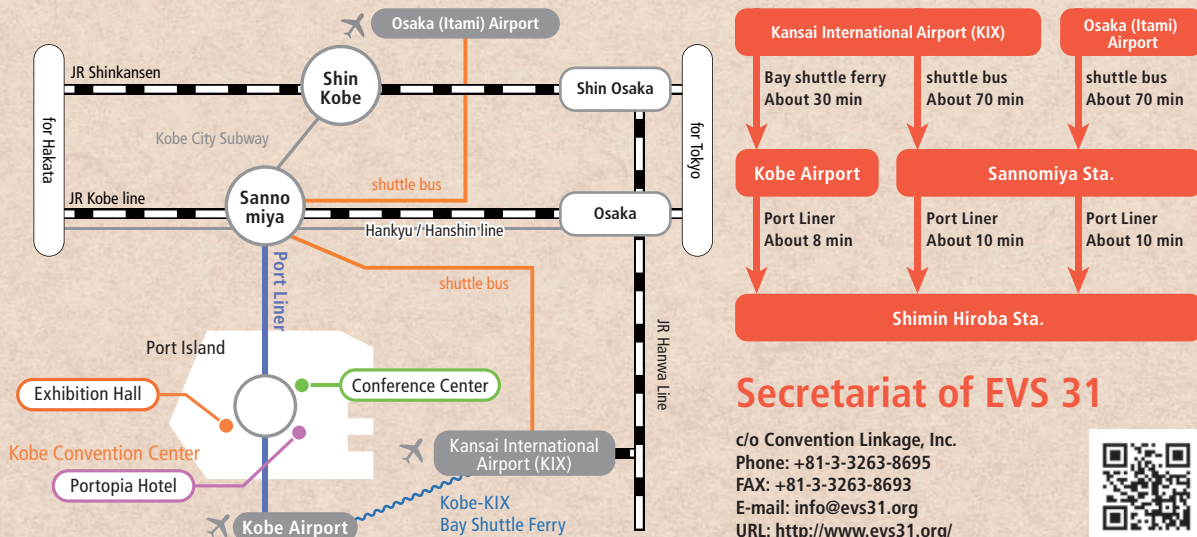
EVS 31 Timetable

2018	Venue	Morning		Afternoon		Evening	
Sept.30 (sun)	Exhibition Hall	9:30	Exhibition (Press day) Ride & Drive (Press day)	11:30	Exhibition (Open to the public) Ride & Drive (Open to the public)	17:00	18:00 Welcome Reception*
Oct.1 (mon)	Convention Hall	8:30	Opening Ceremony	10:00	Guest / Keynote Speeches	16:40	18:10 Business Session
	Conference Center			10:30	Technical Sessions	15:20	18:20 Panel Session
	Exhibition Hall	10:00	Exhibition (Open to the public) Ride & Drive (Open to the public)	15:30	Dialogue Sessions	17:00	17:30
Oct.2 (tue)	Convention Hall	8:30	Keynote Speeches	10:00	13:00 Technical Tour around Kobe	16:40	17:30 Panel Session
	Conference Center			10:30	Technical Sessions	16:20	18:40 Gala Dinner*
	Exhibition Hall	10:00	Exhibition (Open to the public) Ride & Drive (Press day)	12:40	Dialogue Sessions	14:10	17:30
Oct.3 (wed)	Convention Hall	8:30	Keynote Speeches	10:00	15:40	17:00 Panel Session	18:00 Closing Ceremony
	Conference Center			10:30	Technical Sessions	15:20	
		Morning		Afternoon		Evening	

* Welcome Reception and Gala Dinner will be held at Kobe Portopia Hotel.

Venue Access

The closest station to the Kobe Convention Center is the Shimin Hiroba Station on the Port Liner line. On the Port Liner, Shimin Hiroba Station is about 8 minutes from Kobe Airport, or about 10 minutes from Sannomiya Station. If traveling by Shinkansen (bullet train) to Kobe, from the JR Shin Kobe Station, catch the Kobe Municipal Subway to Sannomiya Station (about 2 minutes), change to the Port Liner, and travel as far as the Shimin Hiroba Station (about 10 minutes). Both the conference center and exhibition hall are connected directly to the Shimin Hiroba Station via a covered walkway.



Secretariat of EVS 31

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