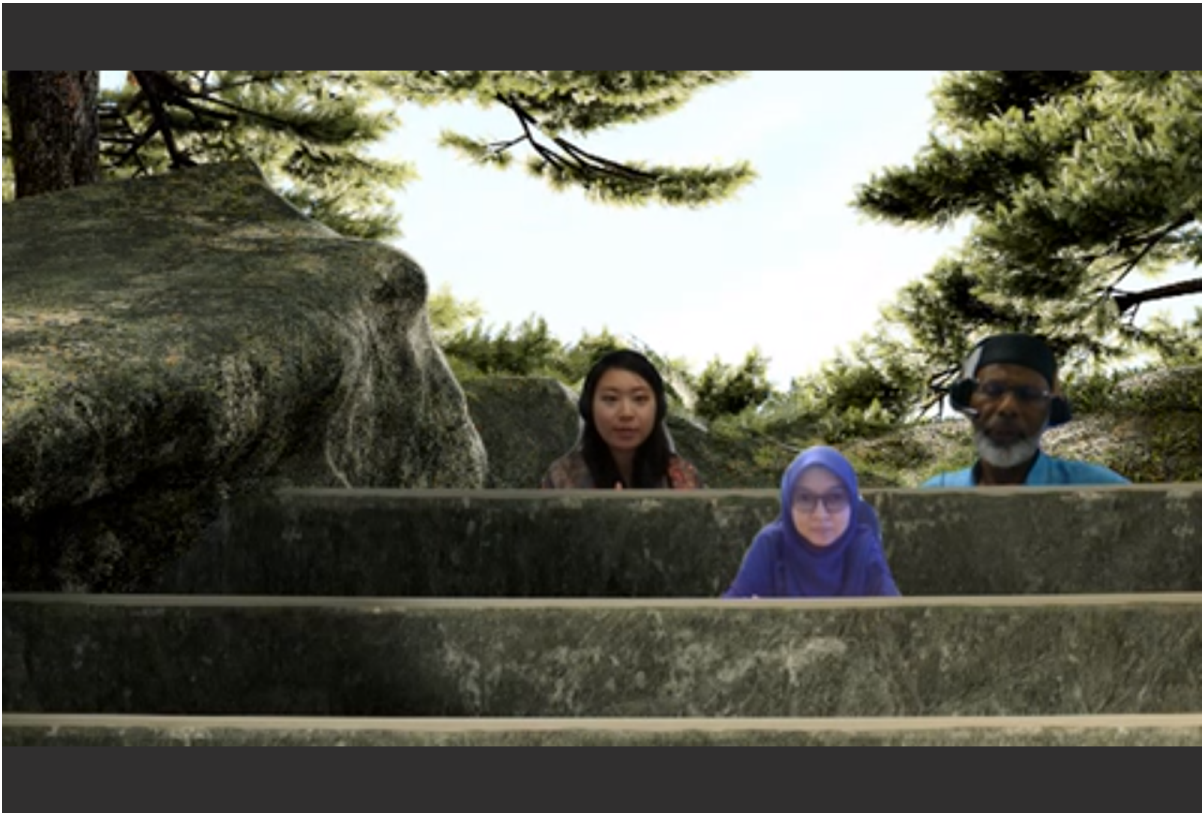


# UMPLib - Sae Mobilus Online Training (20th May 2021 : 10.30 Am)



- People** ×
- 
- Currently in this meeting (9)
- HS** HANAFIAH UMP SEDAR (Gu... 🗑
  - AB** Affida Abu Bakar 🗑
  - A** akbar (Guest) 🗑
  - JE** JOANNE CHOY HAU ER 🗑
  - MS** MUHAMMAD NUR FAIQ BIN... 🗑
  - N** nurul(Guest) 🗑
  - SX** **Shitong Xing**  
Organizer 🗑
  - SM** Syarifuddin Misbari (Guest) 🗑
  - WL** WANG ZHI LEI 🗑

## Topics Today

- SAE International as an international industry society
- The importance of international industry standards
- SAE Mobilus – a platform with comprehensive recourses for beginners and advanced engineers

### People

Share invite

- Currently in this meeting (11)
- HS HANAFIAH UMP SEDAR (Gu...
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  - AM Atiqah Mustapa
  - JE JOANNE CHOY HAU ER
  - K KG (Guest)
  - MS MUHAMMAD NUR FAIQ BIN...
  - N nurul(Guest)
  - SX Shitong Xing Organizer
  - SM Syarifuddin Misbari (Guest)
  - WL WANG ZHI LEI

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SAE MO

11:45

2

Shitong Xing

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AB K AM SM JE N A WL MS SX Shitong Xing

# History From Society of Automobile Engineers To SAE International

**1905**  
SAE International founded in New York City

**1906**  
• First SAE technical meeting  
• First SAE Transactions published

**1911**  
First SAE Bulletin published (currently Automotive Engineering)

**1912**  
• First SAE Standard published  
• First SAE World Congress meeting held in conjunction with the New York Auto Show in Madison Square Garden

**1915**  
First SAE student branch established - Cornell University

**1916**  
• Orville Wright becomes a member of SAE  
• Society of Automobile Engineers

**1917**  
First SAE aerospace standard published - interchangeable spark plugs

**1936**  
First SAE national aircraft production meeting

**1953**  
First SAE Journal published

**1976**  
Collegiate Design Series established with Mini Baja event

**1986**  
SAE Foundation formed

**1991**  
A World in Motion is established as science program for 4th-6th grade students

**2006**  
SAE officially changes its name to SAE International to reflect scope of its activities and membership

**2014**  
J3016 Standard released defining levels of automated driving

**2016**  
SAE relaunches the SAE Digital Library now known as SAE Mobilus®

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## People

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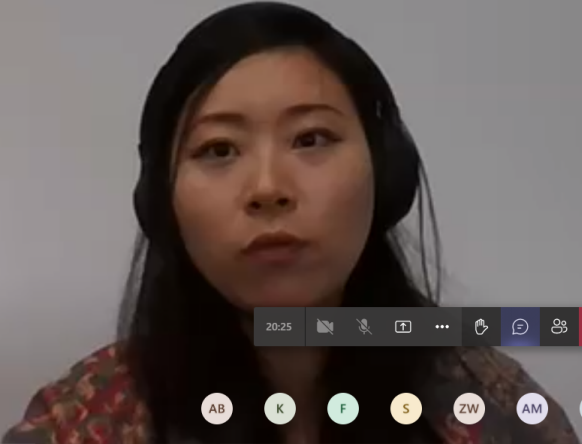


- HS HANAFIAH UMP SEDAR (Gu...
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- AM Atiqah Mustapa
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- K KG (Guest)
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- SM Syarifuddin Misbari (Guest)
- WL WANG ZHI LEI

AB K AM SM JE N A WL MS SX

Meeting | Microsoft Teams

teams.microsoft.com/\_/#pre-join-calling/19:meeting\_NDIwZjJlNGltZmYwOC00Y2Y3LWExNDMlZTQ3N2IxMDBiOTFj@thread.v2

Apps Gmail YouTube Maps UMP Frontpage | D... Admin Statistik SEDAR 202... User Registration F... UMP Library\_eLib... EKET Wall-mounted... The Malaysian Stan... Tugasan Staf SEDA... Return to work asse... Q 10 Solid Wood 1... Reading list



20:25

Shitong Xing

AB K F S ZW AM SM JE N WL MS A

Type here to search

10:44 AM 5/20/2021

### Meeting chat

- HANAFIAH UMP SEDAR (Guest) has temporarily joined the chat.
- Affida Abu Bakar (Guest) has temporarily joined the chat.
- nurul(Guest) has temporarily joined the chat.
- JOANNE CHOY HAU ER (Guest) has temporarily joined the chat.
- Syarifuddin Misbari (Guest) has temporarily joined the chat.
- Atiqah Mustapa (Guest) has temporarily joined the chat.
- KG (Guest) has temporarily joined the chat.
- z l wang (Guest) has temporarily joined the chat.
- SMF (Guest) has temporarily joined the chat.
- fateeha (Guest) has temporarily joined the chat.

Type a new message

# EVENTS

Presenting...

Give control



Stop presenting



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## People

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- A Akbar (Guest)
- AM Atiqah Mustapa
- F fateeha (Guest)
- JE JOANNE CHOY HAU ER
- MS MUHAMMAD NUR FAIQ BIN...
- NA Noraziah Ahmad (Guest)
- N nurul(Guest)
- SX **Shitong Xing**  
Organizer
- S SMF (Guest)
- SM Syarifuddin Misbari (Guest)
- WL WANG ZHI LEI
- ZW z i wang (Guest)

AB F NA A S ZW AM SM JE N WL MS SX

# SAE Demo Days

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Stop presenting



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## People

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- A Akbar (Guest)
- AM Atiqah Mustapa
- F fateeha (Guest)
- JE JOANNE CHOY HAU ER
- MS MUHAMMAD NUR FAIQ BIN...
- NR Nabillah Radzuan
- NA Noraziah Ahmad (Guest)
- N nurul(Guest)
- SX **Shitong Xing**  
Organizer
- S SMF (Guest)
- SM Syarifuddin Misbari (Guest)
- WL WANG ZHI LEI
- ZW z I wang (Guest)

- AB
- F
- NR
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- AM
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- WL
- MS
- SX

Presenting... Give control Stop presenting

# STRATEGIC ACTION PLAN FOR THE FUTURE

Loba @FaeLoba · 24 Feb 2013  
@elonmusk I imagine you get this a lot, but how do I increase my chances to work with you at SpaceX? (Yes I applied :) You are my hero.

Elon Musk @elonmusk · 25 Feb 2013  
@FaeLoba Best is winning competitions like Formula SAE, design/build/fly or other evidence of exceptional eng ability

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People

- Currently in this meeting (15)
- HANAFIAH UMP SEDAR (Guest)
- Affida Abu Bakar
- Akbar (Guest)
- Atiqah Mustapa
- fateeha (Guest)
- JOANNE CHOY HAU ER
- MUHAMMAD NUR FAIQ BIN...
- Nabilah Radzuan
- NUR HAFIEZA ISMAIL
- nurul(Guest)
- Shitong Xing** Organizer
- SMF (Guest)
- Syanifuddin Misbari (Guest)
- WANG ZHI LEI
- z l wang (Guest)

Shitong Xing

Type here to search

10:37 AM 4/20/2021





# More than just Aerospace and Ground Vehicle

- Mechanical:** engines, emissions, diesel, racing, aerodynamics, brakes, suspension, powertrain, mechatronics, safety, vehicle dynamics
- Electrical:** control systems, telematics, sensors, data acquisition, hybrid electric, mechatronics, drive-by-wire, steer-by-wire, brake-by-wire
- Aerospace/Aviation:** aircraft, aerodynamics, flight control, planes, helicopters, rotorcraft, space vehicles, safety, materials, de-icing, cockpit simulation, space missions, flight simulation
- Civil:** intelligent transportation, vehicle dynamics, rapid/mass transit, noise and vibration, anti-ski, barrier impact testing, steering, transportation, safety
- Environmental:** emissions, fuels, alternative fuels, fuel cells, biodiesel, exhaust systems, hybrid electric vehicles, lubricants, ecosystems, particulates
- Chemical:** fuels, lubricants, tribology, additives, fuel cells, sealants, coatings, adhesives, materials, sulphurs, surface films
- Materials:** polymers, ceramics, plastics, alloys, composites, aluminum, steel, thermoplastics, glass, titanium, fuel cells, adhesives, coatings
- Agricultural/Biological:** agricultural equipment, off-road vehicles, diesel, biodiesel, emissions, hydraulic systems, tractor design, bio-regeneration, ecosystems, particulates
- Bioengineering / Biomechanics:** human factors, telematics, occupant protection, safety, restraint systems, anthropometry, ergonomics, manikins, kinematics, operator controls
- Medical:** passenger safety, vehicle crashes, injury prevention, restraint systems, air bags, collisions, head injuries, whiplash, impact tolerance, accident reconstruction, crash research, medical device (design and testing)

More actions

## Participants

Invite someone or dial a number

Share invite

- AA AbdulRahman Ahmed Alsewari
- A Akbar (Guest)
- AM Atiqah Mustapa  
Outside your organization
- F fateeha (Guest)
- HS HANAFIAH UMP SEDAR (Guest)
- JE JOANNE CHOY HAU ER
- M Mfj (Guest)
- MUHAMMAD NUR FAIQ BIN ...

Shitong Xing

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+16



WANG ZHI LEI

WL



Shitong Xing

AA

AbdulRahman Ahmed...



### Topics Today

More actions

- SAE International as an international industry society
- The importance of international industry standards
- SAE Mobilus – a platform with comprehensive recourses for beginners and advanced engineers

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+3 JE N HS

MUHAMMAD NUR FA... WANG ZHI LEI

akbar (Guest) Shitong Xing

# More than just Aerospace and Ground Vehicle

- Mechanical:** engines, emissions, diesel, racing, aerodynamics, brakes, suspension, powertrain, mechatronics, safety, vehicle dynamics
- Electrical:** control systems, telematics, sensors, data acquisition, hybrid electric, mechatronics, drive-by-wire, steer-by-wire, brake-by-wire
- Aerospace/Aviation:** aircraft, aerodynamics, flight control, planes, helicopters, rotorcraft, space vehicles, safety, materials, de-icing, cockpit simulation, space missions, flight simulation
- Civil:** intelligent transportation, vehicle dynamics, rapid/mass transit, noise and vibration, anti-ski, barrier impact testing, steering, transportation, safety
- Environmental:** emissions, fuels, alternative fuels, fuel cells, biodiesel, exhaust systems, hybrid electric vehicles, lubricants, ecosystems, particulates
- Chemical:** fuels, lubricants, tribology, additives, fuel cells, sealants, coatings, adhesives, materials, sulphurs, surface films
- Materials:** polymers, ceramics, plastics, alloys, composites, aluminum, steel, thermoplastics, glass, titanium, fuel cells, adhesives, coatings
- Agricultural/Biological:** agricultural equipment, off-road vehicles, diesel, biodiesel, emissions, hydraulic systems, tractor design, bio-regeneration, ecosystems, particulates
- Bioengineering / Biomechanics:** human factors, telematics, occupant protection, safety, restraint systems, anthropometry, ergonomics, manikins, kinematics, operator controls
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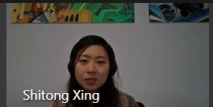
HS



MUHAMMAD NUR FA...



WANG ZHI LEI



Shitong Xing



AbdulRahman Ahmed...



### EV Charging Safety and Interoperability Cooperative Research Project

Over 20 different plug in vehicle models available in the US

Round Robin Testing Program



DOE Funded Cooperative Research Project

Over 45 different Level 2 AC chargers available in the US

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+10

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MUHAMMAD NUR FA...

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HANAFIAH UMP SEDA...

MUHAMMAD NUR FA...

WANG ZHI LEI



Shitong Xing

### Topics Today

- SAE International as an international industry society
- The importance of international industry standards
- SAE Mobilus – a platform with comprehensive recourses for beginners and advanced engineers

More actions menu with icons for thumbs up, heart, clapping hands, and smiley face.

### Participants

Invite someone or dial a number

Share invite

In this meeting (11)

Mute all

- Affida Abu Bakar
- akbar (Guest)
- Atiqah Mustapa  
Outside your organization
- HANAFIAH UMP SEDAR (Guest)
- JOANNE CHOY HAU ER
- KG (Guest)
- MUHAMMAD NUR FAIQ BIN ...

Shitong Xing

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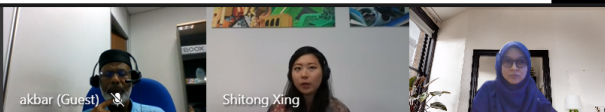
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+6



WL










WANG ZHI LEI



45:49









More actions

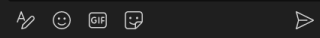
 Mfj (Guest)	 SMF (Guest)	 nurul(Guest)
 z   wang (Guest)	 Leaving...	 Syarifuddin Misbari (Guest)
 HANAFIAH UMP SEDAR (Guest)	 WANG ZHI LEI	 SAE 2 (Guest)



Meeting chat

-  Syarifuddin Misbari (Guest) 11:54 am  
Thanks, Shitong.
-  JOANNE CHOY HAU ER 11:54 am  
Thank you so much for sharing your knowledge
-  Nabilah Radzuan 11:54 am  
thank you
-  NUR HAFIEZA ISMAIL no longer has access to the chat.
-  Akbar (Guest) no longer has access to the chat.
-  Atiqah Mustapa no longer has access to the chat.

Type a new message



# Focus Today

Presenting... Give control Stop presenting

**PROFESSIONAL DEVELOPMENT**  
**MEMBERSHIP**  
**PRE-PROFESSIONAL EDUCATION**  
**SAE INTERNATIONAL**  
**SAE FOUNDATION**  
**ENGINEERING EVENTS**  
**PUBLICATIONS**  
**TECHNICAL STANDARDS**

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### People

Share invite

Currently in this meeting (14)

- HS HANAFIAH UMP SEDAR (Gu... 🗑
- AB Affida Abu Bakar 🗑
- A Akbar (Guest)
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- F fateeha (Guest) 🗑
- JE JOANNE CHOY HAU ER 🗑
- MS MUHAMMAD NUR FAIQ BIN... 🗑
- NA Noraziah Ahmad (Guest) 🗑
- N nurul(Guest) 🗑
- SX Shitong Xing Organizer
- S SMF (Guest) 🗑
- SM Syarifuddin Misbari (Guest) ...
- WL WANG ZHI LEI 🗑
- ZW z l wang (Guest) 🗑

Meeting | Microsoft Teams

teams.microsoft.com/\_/#/pre-join-calling/19meeting\_NDIwZjJhNGltZmYwOC00Y2Y3LWExNDM1ZTQ3N2xMD8lOTFh@thread.v2

Apps Gmail YouTube Maps UMP Frontpage | O... Admin Statistik SEDAR 202... User Registration F... UMP Library \_eLib... EKET Wall-mounted... The Malaysian Stan... Tugas Staf SEDA... Return to work asse... Q.10 Solid Wood 1... Reading list

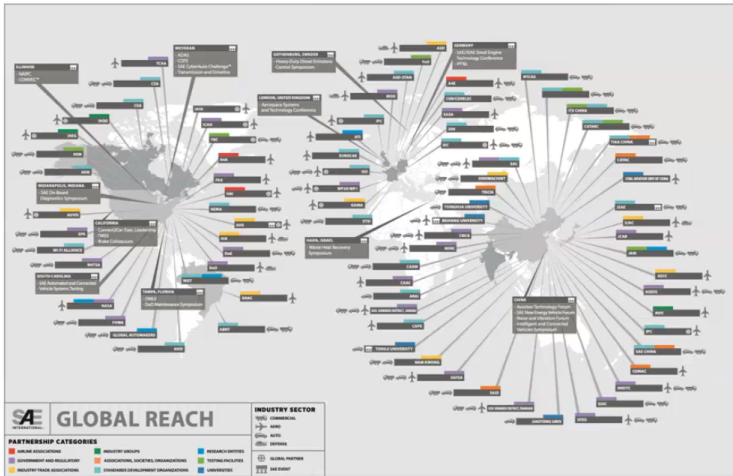
**Meeting chat**

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- Atiqah Mustapa (Guest) has temporarily joined the chat.
- KG (Guest) has temporarily joined the chat.

Type a new message

10:35 AM 5/20/2021

# Global Relationships



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## Meeting chat

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- z I wang (Guest) has temporarily joined the chat.
- SMF (Guest) has temporarily joined the chat.
- fateeha (Guest) has temporarily joined the chat.
- akbar (Guest) no longer has access to the chat.
- KG (Guest) no longer has access to the chat.
- Akbar (Guest) has temporarily joined the chat.
- Noraziah Ahmad (Guest) has temporarily joined the chat.

AB F NA A S ZW AM SM JE N WL MS SX

Type a new message