

# Introduction to Smart Display and MicroLED SIG

Taiwan Optoelectronic Semiconductor Industry  
Association (TOSIA)  
Industrial Development and Technology  
Committee

2021.11.30

**Origin of Industry- “Consortium for intelligent Micro-assembly system ( CIMS ) ” completed the intermediate phase.**

Date of Establishment: 2016

Background: The Industrial Technology Research Institute (ITRI) initiated organization connect display, semiconductor, and system integration vendors, thereby deploying the layout in Future Micro LED Market in advance.

Operation: In order to effectively achieve industry focus and integrate operational resources and manpower, transfer underwent planning in 2020 **to merge into TOSIA SIG.**

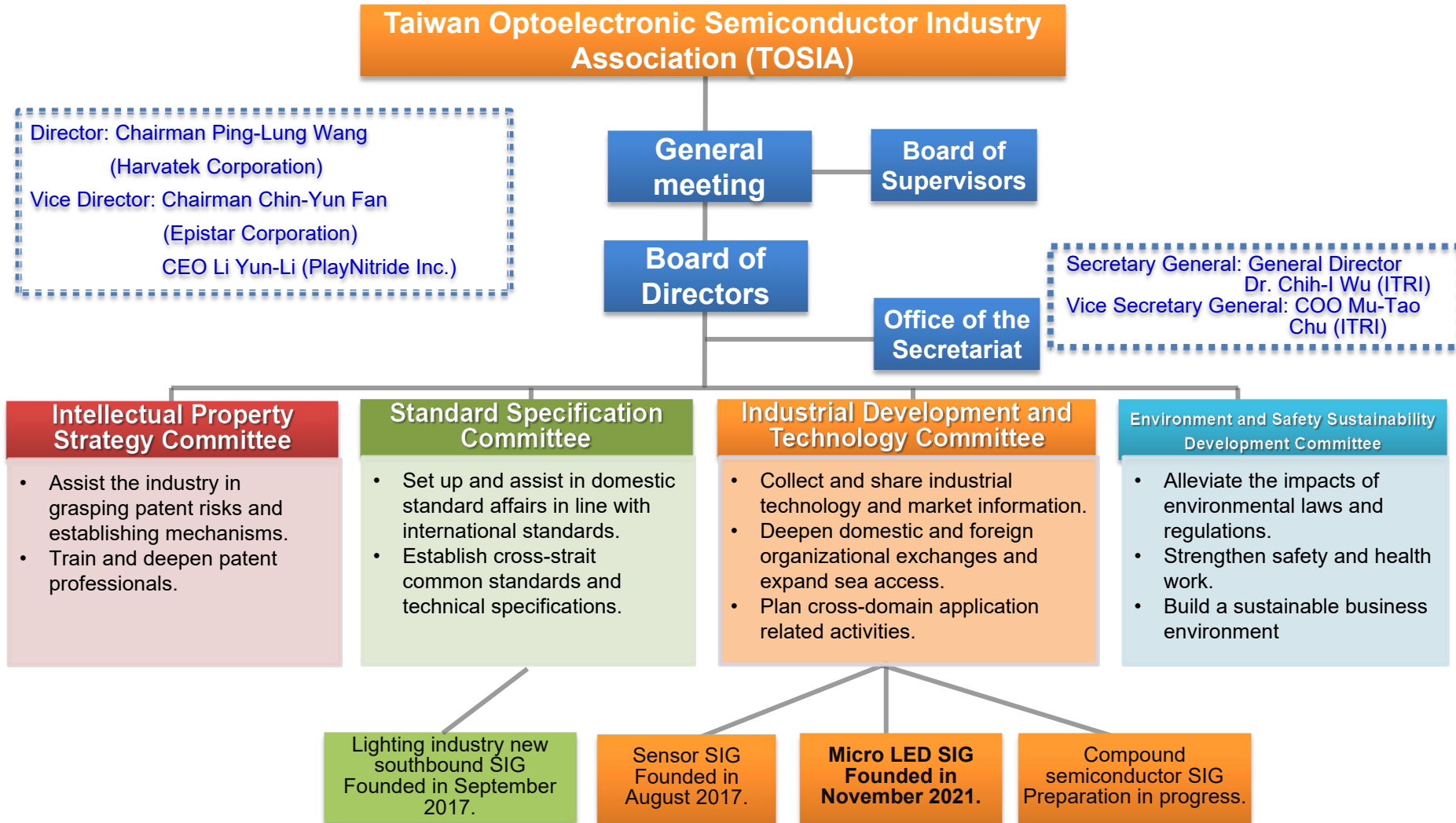
**Origin of policy - Smart display has been listed as a national development and policy focus.**

- The Executive Yuan approved the “**Taiwan Display Technology and Applications**” following the “Smart Living Display Technology and Application Industry Strategies (SRB) Conference” on July 9, 2019.
- The Industrial Development Bureau, Ministry of Economic Affairs **has set up a Micro-LED-based industrial promotion plan “Smart Display Cross-domain Applications and Field Promotion Plan (2021-2022)”** to promote domestic display components, panels, system integration, application services, and other cross-industry cooperation, thereby jointly integrating smart display application systems and system solutions.

**Strategy - Establish “Smart Display MicroLED SIG” upon resolution and approval at the 7th TOSIA 8th Board of Supervisors and Board of Directors Meeting.**

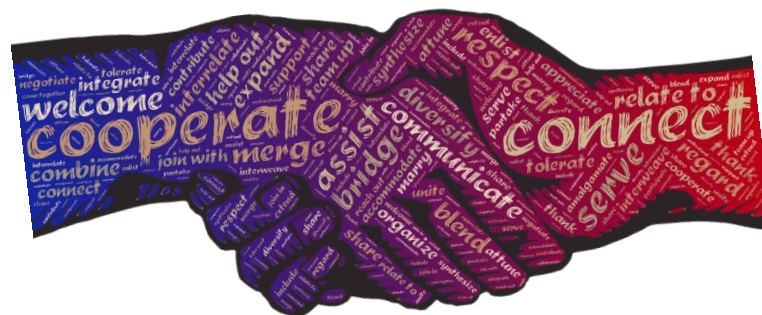
# Introduction to TOSIA

- Founded in 2007.
- Adhere to the objectives of the domestic semiconductor industry reaching a development consensus, promote strategic cooperation among members, and facilitate industrial prosperity and progress.



# Task promotion by the Special Interest Group(SIG)

- Incorporate the **Combination of Industry, Official and University** resources and promote member **cross-industry cooperation**, thereby speeding up MicroLED industry chain integration and constructing a pivotal status in international supply chains.
- Link smart display and innovatively apply niche markets to promote one-stop supply momentum for the “total solution” of industrial upgrade and development.



- I. Link LED, panels, semiconductors, and brand system manufacturers in order to match up members and speedily find industrial partners.
- II. Share technological development, patent analysis, and industrial information to seize market opportunities.
- III. Link government, public associations, research units, and other resource collaborations.

## Exchange activities

- Technological improvement or Industry Seminar (Quarterly)
- Visitation schedule

## Patent analysis

- Global smart display and Micro-LED patent dynamic analysis
- Tailor-made enterprise education training

## Industrial information

- Sending of major industrial daily news
- Overseas business information

## Business opportunity match

- Annual general meeting
- International cooperation (international case source linking domestic industrial chains)

## Resource link

- Industrial subsidy plan deployment and assistance
  - Forward-looking technology(Industry-Research Cooperation Forward-looking Plan)
  - New product development (A+ Plan)
  - New Application Exploration (Industrial Innovation Plan)
  - Talent training (PB + Industrial Development Bureau, Ministry of Economic Affairs Talent Improvement Plan)

# IOSIA MicroLED SIG annual activity planning

Activities	Number of times	Explanation
Annual meeting (assembly)	Once /year	
Market/technology trend seminar	Once / quarter	<p>Market/patent/standard aspects complemented by technology themes.</p> <ul style="list-style-type: none"> <li>• Market trends/MicroLED for AR</li> <li>• Patented/augmented reality (AR) light-field glasses</li> <li>• Standard/MicroLED interactive sensing applications</li> <li>• Exhibition experience sharing/MicroLED</li> </ul>
Industry news (Display News)	Daily	
Educational training courses	Once/year	MicroLED technology patency related training
Visitation schedule	Irregularly	
International forum	Once/year	

# How to Join SIG?

- I. **Members** shall file an application at SIG and pass the review mechanism.
- II. **The non-member application eligibility** includes companies or corporate bodies set up in the Republic of China. The SIG Member Application Form shall be filled out. Those that pass the SIG review mechanism and pay **NT\$30,000** annual fee become SIG members.

**(Note: SIG members and TOSIA group members differ in the rights they are entitled to.**

## SIG Member Rights and Obligations

### I. Rights

- (I) Participate in work meetings held by SIG and share public information among members. The work meeting data enclosure shall be provided for participating members. Those other than specific members will not be able to circulate related work meeting data.
- (II) Participate in specific exchange meetings held by SIG, such as seminars, forums, training courses, and related promotional activities.

### 2. Obligations

- (I) For every specific SIG, each company can put forward at least two representatives (representing each other) to take part in a work meeting launched by SIG. Those with three cumulative meeting absences every year will lose their eligibility to take part in a specific SIG work meeting. If SIG member representatives are subject to job transfer or resignation, the company shall submit the Application Form for Change in advance.

**Feel free to access this platform to develop related emerging markets, technologies, and applications.**

Welcome joining SIG.

Jointly promote smart display and  
MicroLED develop