

# SEMI Standards Staff Report

**September 4, 2019 v0.1**

SEMI Japan

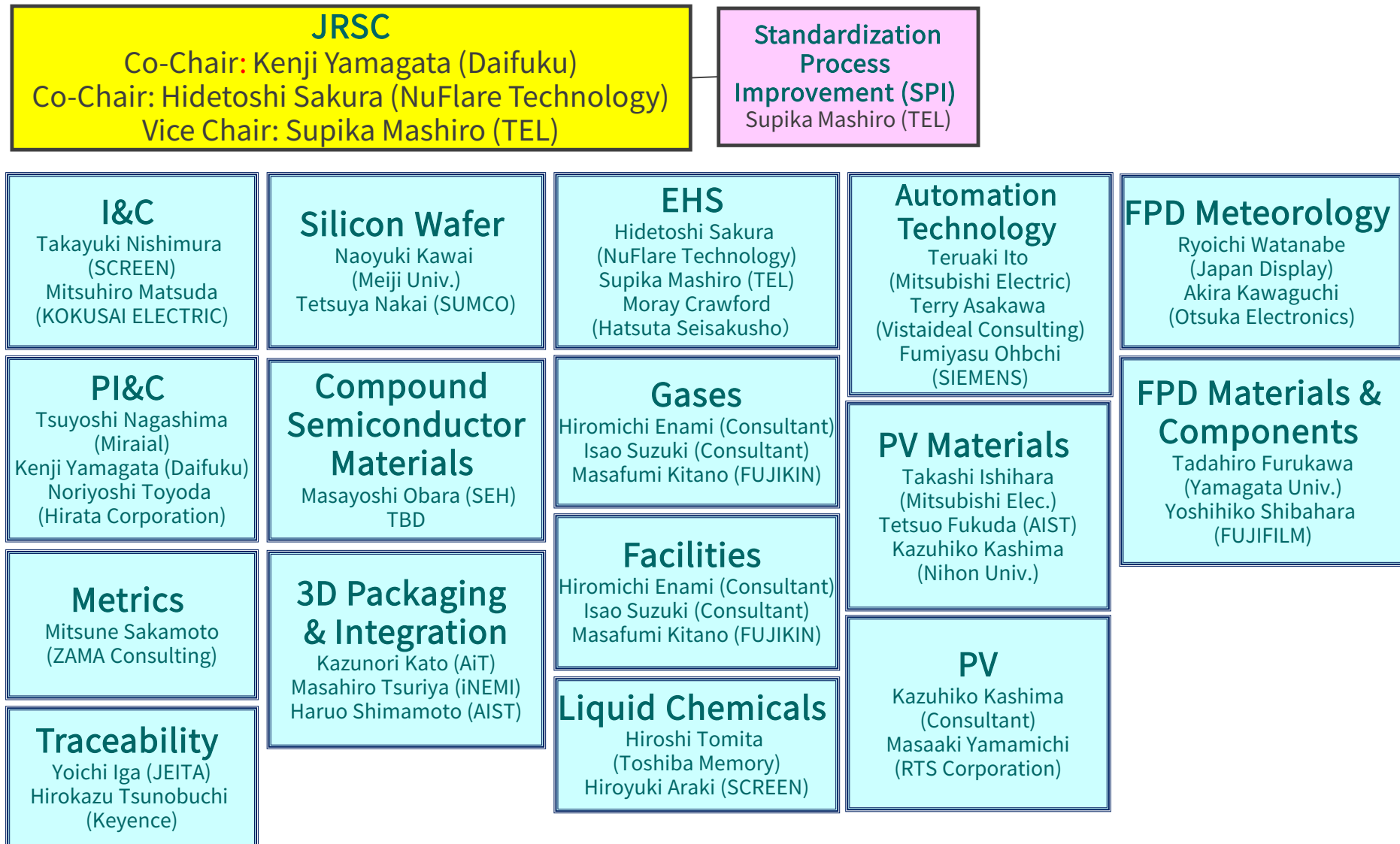
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# JRSC Update

- 会議
  - 前回会議：4月19日（金）
  - 次回会議：8月30日（金） 10:00－12:00
- 2019年度日本地区委員会プランニング会議
  - 2019年8月30日（金） 13:30－17:30
  - SEMIジャパン会議室
  - トピックス
    - 実行手引き（Execution Manual）のワーク（3時間）
    - Connected@SEMIを使ってみるセッション（1時間）
- 中国に化合物半導体材料委員会が設立
  - SEMICON West関連会議にて承認

# JRSC Organization Chart



# SEMI通信（2019年）

テーマ募集中!!

- 2019\_01\_SEMIジャパン・スタンダード賞、2018年度は2名が受賞  
✓号名の付け方が変わりました。
- 2019\_03（2月発信）PLP樹脂封止装置の特徴と課題について
- 2019\_04（3月発信）表面光起電力法によるシリコンウェーハの少数キャリア拡散長測定のための試料の前処理法の紹介（SEMI M88）
- 2019\_05（4月発信）ガス検知の活動への参加について「SEMI S6半導体製造装置の排気換気に関する環境、健康、安全のためのガイドライン」改訂活動
- 2019\_06（5月発信）装置データ収集（EDA）スタンダード Freeze Version 3 を検討中
- 2019\_07（6月発信）2019年春、トレーサビリティ委員会に設立した2つのタスクフォースの紹介
- 2019\_08（7月発信）FO-PLPに関する標準化活動の進捗
- 2019\_09（8月発信）スタンダード特集号 1000規格突破記念

# SEMI通信

## 2019年9月号詳細

- 標準規格こそSEMIの最大の業界貢献 その成り立ちとこれから
  - <http://www1.semi.org/jp/node/85166/>
- 記念すべき1000thスタンダードはエナジェティックマテリアルのガイドライン
  - <http://www1.semi.org/jp/node/85156/>
    - （HQマーケティング担当者による記事の翻訳）
- FO-PLP Panel FOUPの標準化活動の現在
  - <http://www1.semi.org/jp/node/85151/>
- SMT組立ラインをよりスマートにするスタンダード群、いよいよ実装フェーズへ
  - <http://www1.semi.org/jp/node/85146/>

# SEMI Global 2019 Calendar of Events

Event Name	Event Details
<b>SEMICON<sup>®</sup></b> <b>KOREA</b>	Jan. 23 -25, 2019 Seoul. South Korea
<b>SEMICON<sup>®</sup></b> <b>CHINA</b>	Mar 20-22, 2019 Shanghai, China
<b>SEMICON<sup>®</sup></b> <b>SOUTHEAST</b> <b>ASIA</b>	May 7-9, 2019 Kuala Lumpur, Malaysia
<b>SEMICON<sup>®</sup></b> <b>WEST</b>	July 9-11, 2019 San Francisco, California
<b>SEMICON<sup>®</sup></b> <b>TAIWAN</b>	Sept 18-20, 2019 Taipei, Taiwan
<b>SEMICON<sup>®</sup></b> <b>EUROPA</b>	Nov 12-15, 2019 Munich, Germany
<b>SEMICON<sup>®</sup></b> <b>JAPAN</b>	Dec 11-13, 2019 Tokyo, Japan

# Global Standards Meeting Schedule

## <https://www.semi.org/en/collaborate/standards>

- August 29, 2019  
EHS Japan TC Chapter  
SEMI Japan Office
- September 6, 2019  
FPD - Materials & Components Japan TC Chapter  
SEMI Japan Office
- September 20, 2019  
PI&C Japan TC Chapter  
SEMI Japan Office
- September 26, 2019  
Information & Control Japan TC Chapter  
SEMI Japan Office
- September 26, 2019  
Compound Semiconductor Materials China TC Chapter  
SEMI China Office
- September 27, 2019  
HB-LED China TC Chapter  
SEMI China Office
- September 27, 2019  
Information & Control Taiwan TC Chapter  
SEMI Taiwan Office.
- October 2, 2019  
Automation Technology Japan TC Chapters  
SEMI Japan Office
- October 4, 2019  
Gases & Facilities Japan TC Chapters Joint Meeting  
SEMI Japan Office
- October 11, 2019  
3D Packaging & Integration Japan TC Chapter Meeting  
SEMI Japan Office
- October 16, 2019  
EHS Taiwan TC Chapter  
SEMI Taiwan Office
- October 25, 2019  
PV & PV Materials China TC Chapters Joint Meeting  
Beijing, China
- October 30, 2019  
Automation Technology Taiwan TC Chapter  
SEMI Taiwan Office
- October (tentative), 2019  
PV Taiwan TC Chapter  
SEMI Taiwan Office
- November 4 – November 7, 2019  
North America Standards Fall 2019 Meetings  
Milpitas, California, United States
- November 5, 2019  
PV & PV Materials Japan TC Chapters Joint Meeting  
SEMI Japan Office
- November 12– November 15, 2019  
Europe Standards Fall 2019 Meetings  
Milpitas, California, United States
- November, 2019  
FPD – Metrology Japan TC Chapter  
SEMI Japan Office
- December 10 – December 13, 2019  
SEMICON Japan Standards Meetings  
Tokyo Big Sight, Tokyo, Japan
- February 7, 2020  
FPD - Metrology Taiwan TC Chapter  
ITRI Office



# Upcoming North America STD Meetings

Event Name	Date / Venue
NA Standards Fall 2019 Meetings	November 4-7, 2019 SEMI HQ in Milpitas, California
NA Standards Spring 2020 Meetings	March 30- April 2, 2020 (tentative) SEMI HQ in Milpitas, California





# Seminar: Tutorials & STEP

- SEMI SMT-ELS Workshop on October 8, 2019
- STEP/SEMI S2 on November 1, 2019

# 2019 Critical Dates for SEMI Standards Ballots

<b>2019</b>	<b>Ballot Submission Deadline</b>	<b>Voting Opens</b>	<b>Voting Closes</b>
<b>Cycle 2</b>	Feb 1	Feb 15	Mar 18
<b>Cycle 3</b>	Mar 12	Mar 26	Apr 25
<b>Cycle 4</b>	Apr 16	Apr 30	May 30
<b>Cycle 5</b>	May 10	May 24	Jun 24
<b>Cycle 6</b>	July 19	July 31	Aug 30
<b>Cycle 7</b>	Aug 22	Sept 4	Oct 4
<b>Cycle 8</b>	Oct 11	Oct 25	Nov 25
<b>Cycle 9</b>	Nov 14	Nov 26	Dec 26

# A&R Ballot Review (2019)

A&R Cycle	Result	Notes
January 2019	 ISCA&RSCWebJa 19VotingSummar	All passed
May 2019	 Adobe Acrobat Document	All Passed
June 2019	 2019_June_A&R	Doc. 5661D and 6497 failed.
August 2019	 2019_Aug_A&R	All Passed

# SEMI Standards Publications (2019)

Cycle	New	Revised	Reapproved	Withdrawn
January 2019	2	0	0	0
February 2019	1	3	4	0
March 2019	1	5	6	0
April 2019	1	4	6	0
May 2019	0	16	5	0
June 2019	1	5	5	0
July 2019	2	3	0	0

- Total SEMI Standards in portfolio: 1,005
  - Includes 268 Inactive Standards

# SEMI Standards Publications (2019)

## New Standards

Cycle	Designation	Title	Committee	Region
Feb 2019	SEMI PV89	Test Method of Current-Voltage (I-V) Measurement in Indoor Lighting for Dye-Sensitized Solar Cell and Organic Photovoltaic	Photovoltaic	TW
Mar 2019	SEMI PV90	Guide for Material Requirements of Internal Feeders Used in Monocrystal Silicon Growers	PV Materials	CN
June 2019	SEMI 3D19	Test Method for Adhesive Strength for Adhesive Tray Used for Thin Chip Handling	3D Packaging & Integration	JA
July 2019	SEMI 3D20	Specification for Panel Characteristics for Panel Level Packaging (PLP) Applications	3D Packaging & Integration	NA
July 2019	SEMI S30	Safety Guideline for Use of Energetic Materials in Semiconductor R&D and Manufacturing Processes	EHS	NA

# connected@SEMI

- Web link - <https://connect.semi.org>

- Login using Standards account (username and password)

- Program Member

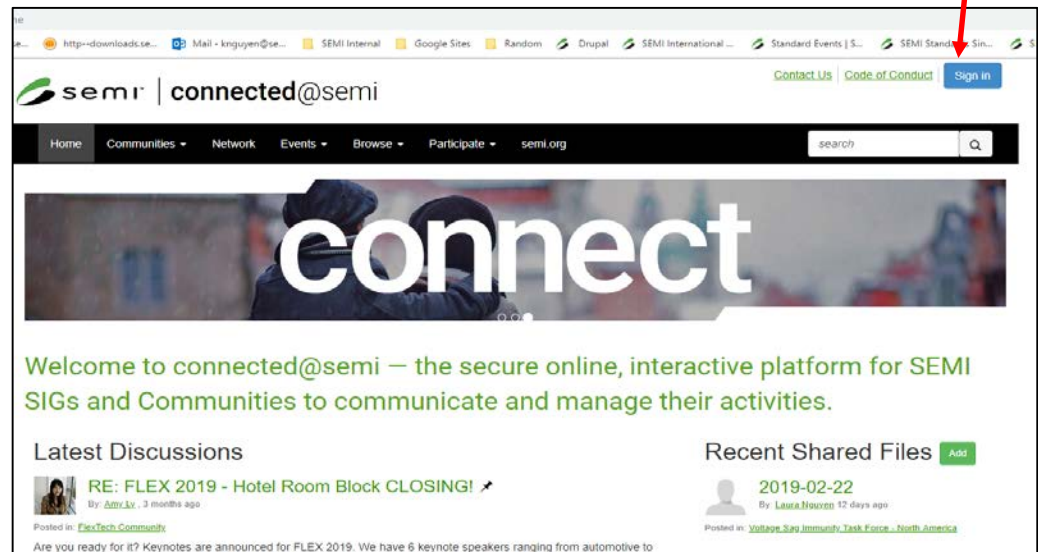
- Join any task forces
  - Post discussion thread

- TF Leader/Community Admin

- Add member
  - Upload meeting minutes
  - Communicate TF members
  - Contact your staff if a TF Site is desired

- Details

- [www.semi.org/standards](http://www.semi.org/standards) → Committee Info → Collaboration Community

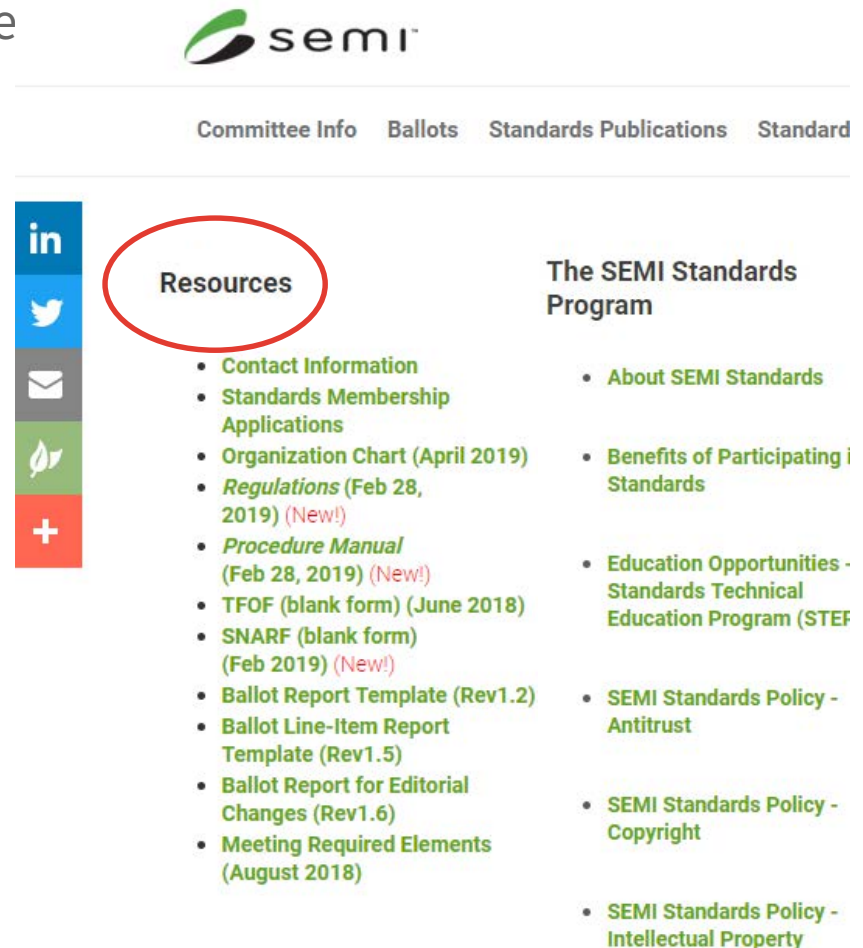


## Collaboration Community

- **Connected@SEMI**  
The secure online, interactive platform for Committee and Task Force Communities
- **Instructions for Program Member**  
Detailed instructions on how to log in and post discussion.
- **Instructions for TF Leader/Community Admin**  
Detailed instructions on how to add member, upload minutes, and other tasks.

# New Forms, Regulations, and Procedure Manual

- *Regulations* (Feb 28, 2019)
  - Latest version clarifies procedure and trademarks
- *Procedure Manual* (Feb 28, 2019)
- SNARF (Feb 2019)
- [www.semi.org/standards](http://www.semi.org/standards)
  - Under Resources



The screenshot shows the SEMI website with the SEMI logo at the top. Below the logo is a navigation bar with links: Committee Info, Ballots, Standards Publications, and Standard. On the left side, there is a vertical stack of social media icons: LinkedIn, Twitter, Email, Facebook, and a plus sign. The main content area is titled "Resources" and is circled in red. It contains two columns of links. The first column lists: Contact Information, Standards Membership Applications, Organization Chart (April 2019), Regulations (Feb 28, 2019) (New!), Procedure Manual (Feb 28, 2019) (New!), TFOF (blank form) (June 2018), SNARF (blank form) (Feb 2019) (New!), Ballot Report Template (Rev1.2), Ballot Line-Item Report Template (Rev1.5), Ballot Report for Editorial Changes (Rev1.6), and Meeting Required Elements (August 2018). The second column is titled "The SEMI Standards Program" and lists: About SEMI Standards, Benefits of Participating i Standards, Education Opportunities - Standards Technical Education Program (STEF), SEMI Standards Policy - Antitrust, SEMI Standards Policy - Copyright, and SEMI Standards Policy - Intellectual Property.

semi

Committee Info Ballots Standards Publications Standard

in

Resources

- Contact Information
- Standards Membership Applications
- Organization Chart (April 2019)
- Regulations (Feb 28, 2019) (New!)
- Procedure Manual (Feb 28, 2019) (New!)
- TFOF (blank form) (June 2018)
- SNARF (blank form) (Feb 2019) (New!)
- Ballot Report Template (Rev1.2)
- Ballot Line-Item Report Template (Rev1.5)
- Ballot Report for Editorial Changes (Rev1.6)
- Meeting Required Elements (August 2018)

The SEMI Standards Program

- About SEMI Standards
- Benefits of Participating i Standards
- Education Opportunities - Standards Technical Education Program (STEF)
- SEMI Standards Policy - Antitrust
- SEMI Standards Policy - Copyright
- SEMI Standards Policy - Intellectual Property



# Style Manual Update

- Style Manual Version 6 (March 25, 2019)
  - Additions and revisions to harmonize with updated *Regulations* and *Procedure Manual*
  - Updates
    - *Company or Organization Trademarks (Table 1, #1-24)*
    - *Active vs. Passive Voice (Table 4, #4-4)*
    - *Word Usage (Table 4, #4-5)*
    - *New Safety Guideline Conformance Notice (Table 8, #8-1)*
- [www.1semi.org/standards/standardspublications](http://www.1semi.org/standards/standardspublications)
  - Under Document Authoring Tools

# Global Staff Assignment - Japan

- Mizue Iwamura
  - Automation Technology
  - Information & Control
  - Facilities
  - Gases
  - Liquid Chemicals
  - Photovoltaic
  - Photovoltaic Materials
- Junko Collins
  - Compound Semiconductor Materials
  - Silicon Wafer
  - (JRSC)
- Chie Yanagisawa
  - 3D Packaging & Integration
  - EHS
  - FPD M&C
  - FPD Meteorology
  - Metrics
  - Physical Interfaces & Carriers
  - Traceability

# Global Staff Assignment - North America

- Kevin Nguyen
  - Compound Semiconductor Materials
  - EHS
  - Microlithography
  - Photovoltaic
  - Photovoltaic Materials
  - Silicon Wafer
- Inna Skvortsova
  - Automated Test Equipment
  - HB-LED
  - Information & Control
  - Liquid Chemicals
  - Metrics
  - Traceability
- Laura Nguyen
  - 3D Packaging & Integration
  - Facilities
  - Gases
  - MEMS / NEMS
  - Physical Interfaces & Carriers

# Global Staff Assignment – Other regions

- China
  - Isadra Jin
    - HB-LED
    - PV
    - PV Materials
- EU
  - James Amano and Kevin Nguyen
    - Automation Technology
    - Compound Semiconductor Materials
    - Gases
    - Information & Control
    - Liquid Chemicals
    - Metrics
    - Physical Interfaces & Carriers
    - PV Materials
    - Silicon Wafer
- Korea
  - Natalie Shim
    - Facilities
    - FPD Metrology
    - FPD Materials & Components
    - Information & Control
- Taiwan
  - Dean Chang, Tiffany Huang
    - 3D Packaging & Integration
    - Automation Technology
    - EHS
    - FPD Metrology
    - Information & Control
    - PV

# Global Staff Assignment - International

- James Amamo
  - ISC
- Kevin Nguyen
  - Regulation
  - Audit & Review

The background of the slide is a solid red color. It features several white hexagonal shapes of varying sizes and opacities scattered across it. Some hexagons are solid white, while others are semi-transparent, creating a layered effect. The hexagons are positioned in the upper and middle sections of the slide, with some overlapping each other.

# Thank you