SHERLOCK 201

ExleetEdge, Inc.

sherlock
AUTOMATED DESIGN ANALYSIS™

Sherlock 201

- **Grade :** Intermediate & Advanced

- **Instructor :** Dr. Gilad Sharon/DfR Solutions(Webinar), Ms. Yae H. Kwon

- **Date :** November 15th (Tuesday) – 16th (Wednesday) : 2 days

- **Place :** 서울 상암동 디지털미디어시티(DMC) – 첨단산업센터 강의실 6층 626호

- **Subjects :**
  - Sherlock DfR Best Practices & Sherlock 5.0
  - Predicting Package Level Failure Modes in Multi-layered Package(PoP, Stacked via, BGA underfill, etc)
  - FEA Integration & Pre-/Post-Processing

- **Course Preparation :**
  - Notebook (64 bits Windows) : MAC address has to be informed in advance.
  - Sherlock 101 experience
  - FEA(Abaqus, Ansys, Nastran) experience preferred

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Speaker Bio

Dr. Gilard Sharon(Webinar)

- **Research focus:**
    - Mechanical reliability of electronic systems and components
    - Multidisciplinary reliability of complex electro mechanical systems
    - Characterization and modeling of material behavior
    - Physics of failure of electromechanical and MEMS system
    - Mechanical performance of flip chip packages

- **Doctoral research**
    - Solder reliability
    - MEMS structures characterization
    - Embedded components failure analysis
    - Particle beam accelerator mechanical fatigue.

- **Experience at Amkor technology**
    - Advanced product development group as senior engineer
    - Analysis of chip-package interactions

- **Ph.D, Mechanical Engineering (University of Maryland)**

Yae Ha, Hyun Mo, Jung Gu
- **Application Engineers, ExleetEdge**

Class Schedule

	November 15th, 2016		
Item	**Subject**	**Duration**	**Remarks**
Morning (09:20 ~ 12:30)	Intro & Sherlock 5.0 preparation	10 min	Prepare Sherlock and FEA on each attendee notebook(64 bit Windows)
	Sherlock Fundamentals	1.5 Hour	Yaeha, Application Engineer
	Exercise 1 (Sherlock and FEA)	1.5 Hour	Hyunmo, Application Engineer
Afternoon (13:30 ~16:30)	Sherlock Fundamentals	1.5 Hour	Yaeha, Application Engineer
	Exercise 2(Sherlock and FEA)	1.5 Hour	Hyunmo, Application Engineer

Class Schedule

Item	Subject	Duration	Remarks
November 16th, 2016			
Morning (09:00 ~ 12:30)	Webinar(09:00-10:30)* Performing a Solder Fatigue Analysis with Sherlock and FEA is Fun!	1.5 Hour	Mr. Gilad Sharon, DfR Solutions (Translation in Korean if necessary)
	PoP BGA modeling & Simulation using Sherlock and FEA	1 Hour	Yaeha, Application Engineer
	Exercise 3(PoP with Sherlock and FEA)	30 min	Hyunmo, Application Engineer
	Exercise 3 modeling & simulation demo(Sherlock and FEA)	30 min	JungGu, Application Engineer
Afternoon (13:30 ~17:30)	Stacked Via modeling and simulation using Sherlock and FEA	1 Hour	Yaeha, Application Engineer
	Exercise 4(Stacked Via with Sherlock and FEA)	30 min	Hyunmo, Application Engineer
	Exercise 4 modeling & simulation demo(Sherlock and FEA)	30 min	JungGu, Application Engineer
	BGA underfill modeling and Simulation using Sherlock and FEA	1 Hour	Yaeha, Application Engineer
	Exercise 5(BGA underfill with Sherlock and FEA)	30 min	Hyunmo, Application Engineer
	Exercise 5 modeling & simulation demo(Sherlock and FEA)	30 min	JungGu, Application Engineer
Dinner	All	2 Hours	Restaurants to be determined

* : A step by step guide to be reviewed in advance by each attendee

Logistics

- **Lunch/Dinner :** Organized by ExleetEdge

- **Sherlock Training License :** To be issued for each attendee

- **FEA Training License** : 교육참가자 Notebook(Windows 64 bits)의 MAC address 는

  교육 참석 전 11/11일(금)요일까지 사전 통지 필요)

- **Training Certificate** : Every attendee who has completed all the training session will receive

  a Sherlock 201 certificate under his/her name.

- **Class Size** : 20+

- **Cost** : 60만원(부가세 별도, 기존 Sherlock 라이선스 보유 고객은 1명에 한해 무료)

- **Contact :** 장소안내/비용정산안내/특별할인요건/장비 및 교육용 라이선스 등에 대한 문의는

  김영동 팀장(ydkim@ex1337.com, 010-9750-0544)에게 연락해 주시기 바랍니다.

Direction

장소 : 디지털 미디어 시티(서울 상암동 DMC) – 첨단산업센터 (주소: 서울시 마포구 성암로 330)

지하철 이용시

- 6호선 디지털미디어시티 3번 출구에서 버스 탑승
- 공항철도 디지털미디어시티 7번 출구에서 버스 탑승

버스 이용시

- 270, 470, 750A, 771, 7011, 7013A, 7013B, 7016, 7019, 7715, 7726, 7733, 7737, 9711A, 9711B
  DMC 첨단센터 정류장 하차

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