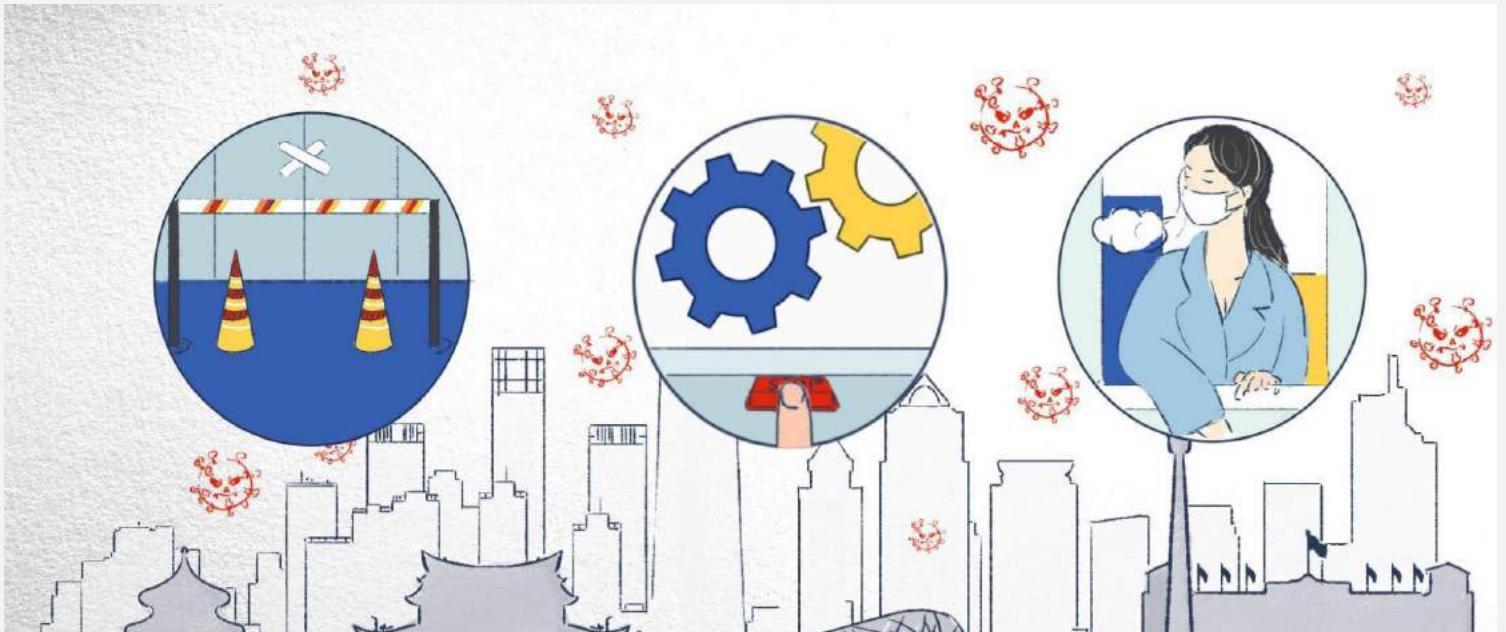




7 TH INDUSTRIAL LINKAGE SEMINAR 2020



7ThIndustrial linkage Seminar

Industry Responses During Covid-19 Pandemic

Sunday 4 October 2020 at 10:00 AM

10:00	10:15	أ.د. مجيد حسن - عميد كلية الهندسة لواء.د. سيد عقل - وكيل كلية الهندسة لخدمة المجتمع	الافتتاح
10:15	11:30	د. عمرو عبد القادر - قسم الهندسة الميكانيكية د.أمل قصرى - مدير مركز النانو تكنولوجى أ.د. احمد راشد - قسم الهندسة المعمارية - مدير مركز فاروق الباز للاستدامة أ.د. غادة المهدي - رئيس قسم الهندسة المدنية د.ايهاب عدلى - قسم الهندسة الكهربائية د.زياد خليفة - قسم الهندسة الكيميائية	كلمات السادة اعضاء هيئة التدريس
11:30	01:00	لواء ا.ح. صلاح عبد العزيز- رئيس مجلس ادارة النجاجون انترناشونال م . محمد المنشاوى - رئيس مجلس ادارة شعبة الآلات والمعدات, غرفة الصناعات الهندسية عميد أ.د. حسام محمد - رئيس مكتب الاستشارات, الكلية الفنية العسكرية د.رامز داوود - الجامعة الأمريكية أ.د. اشرف دويدار- رئيس مجلس ادارة شركة مدينة المستقبل م. صالح عبد العليم- مدير التسويق , شركة ديورافبيت م. محمد عبد الخالق - مدير قطاع البيئة, الشركة العربية للأسمنت	كلمات السادة من الصناعة
الخاتمة			



Faculty of Engineering

7Th Industrial Linkage Seminar

Industry Responses During Covid-19 Pandemic

Sunday 4 October 2020

About the seminar

- The target of the seminar is to explore the industry responses during Covid-19 pandemic. This was done through sustainable, deep, and strong collaboration with our industrial partners as a great role for the community service.
- At first, speakers from faculty of engineering are presented.
- Then, invited speakers from industry are presented.
- Also, one drive link is prepared for student graduation projects in different departments and sent to our industrial partners. This will exhibit our student works to our industrial partners and encourage them to propose new ideas and applications for industry and society.



Prof. Maguid Hassan

Faculty Dean



MG. Dr Sayed Akl
Vice Dean for Community Service



Associate professor Marwa Adel

Faculty of
Engineering

Electrical/Mechanical



Electromechanical
Applications

Architecture/Civil



Construction & Urban
Developments

Chemical



Petrochemical & Gas
Industry

Joint Activities with Industry

Joint Projects



Joint Research



Consultation Works



Industrial Training



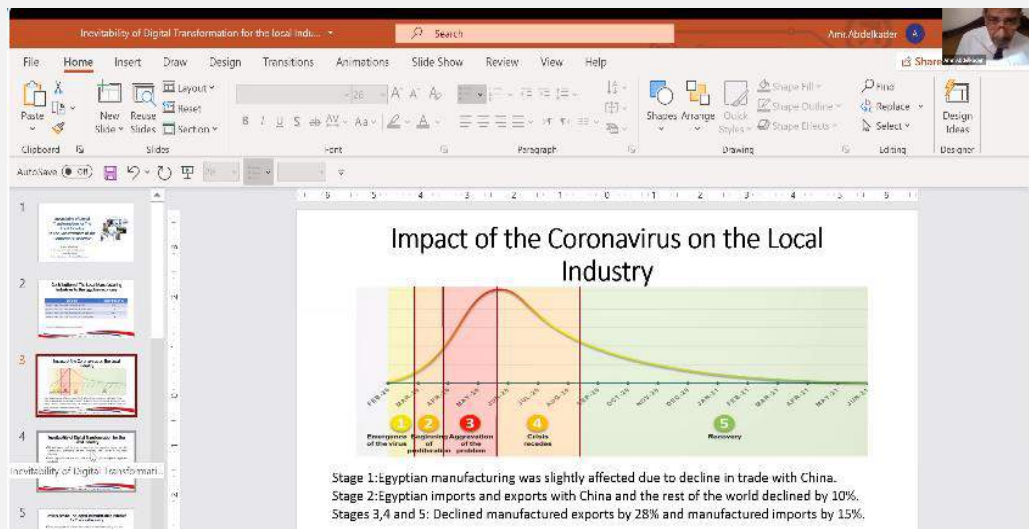
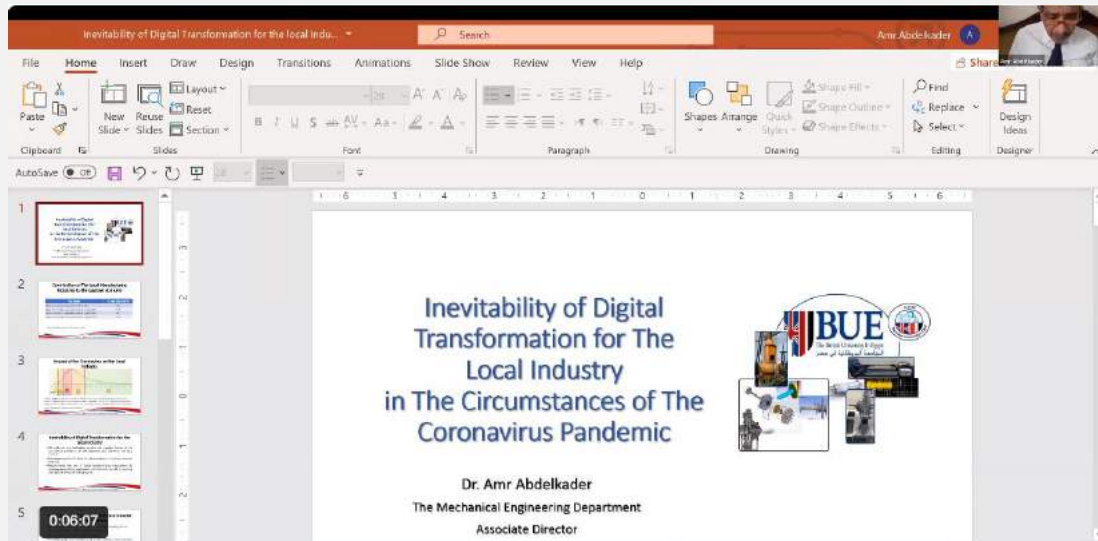
Student Projects



➤ Speakers form the faculty of engineering

- **Dr.Amr Abd Elkader**

Challenges of numerical transformation in the local industry through Covid-19



2.Dr.Amal Kasry

Head of nano technology center

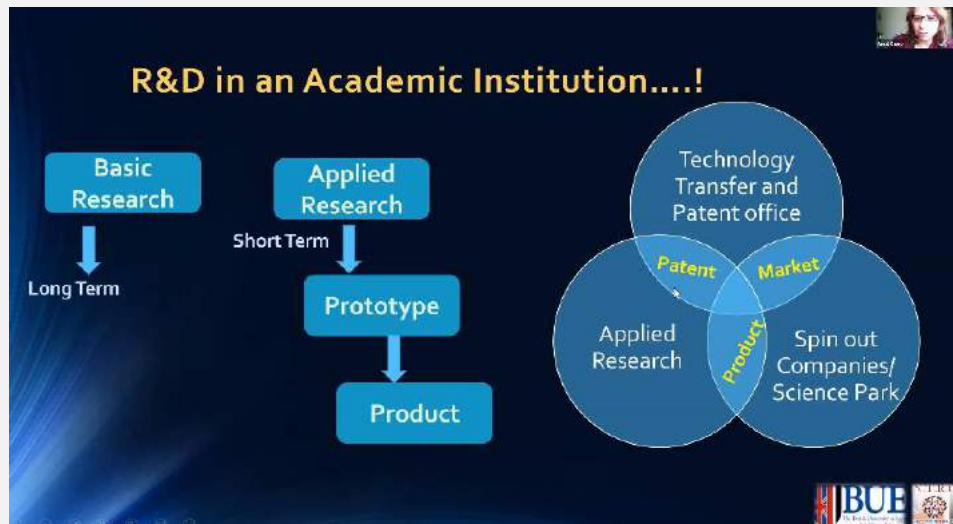
Effect of Covid-19 on innovation works in Nano technology center

Laboratories....!

8 Labs; ~ 30 tools and equipment, Research and 20 different services

Process (2 Labs) Scanning Electron Microscope (SEM) X-Ray Diffraction (XRD) Spectroscopy Unit

Tissue Engineering Microbiology Lab Virology Lab




3.Dr.Ahmed Rashed

Head of sustainability center

Together towards green future

BUE
The British University in Egypt
جامعة البريطانية في مصر

Faculty of Engineering
7th Industrial linkage Seminar
Industry Responses During Covid-19
Pandemic
Sunday 4 October 2020



"Together: Towards Green Future"

Prof. Ahmed Rashed

Architecture Department , Faculty of
Engineering

Founding Director of
The Centre of Sustainability and
Future Studies (CSFS)



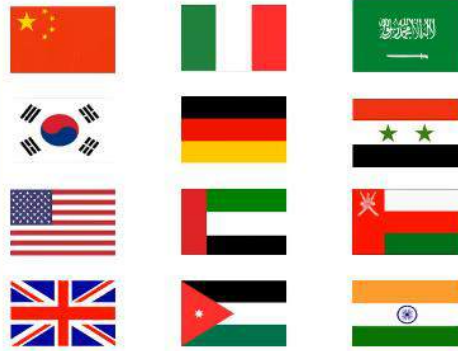
We are BUE Ambassador for Sustainability in....

EGYPT



&

ABROAD



4.Dr.Ghada El mahday

Head of Civil department

Effect of Covid-19 on Academic teaching in civil department

 **BUE**
The British University in Egypt
الجامعة البريطانية في مصر

Problem of Industrial Training

مشكلة التدريب الصناعي

- Summer industrial training was suspended.
- Site training after Yr 2. and office training after Yr. 3.
- It was replaced by online courses hosted by Coursera.



13



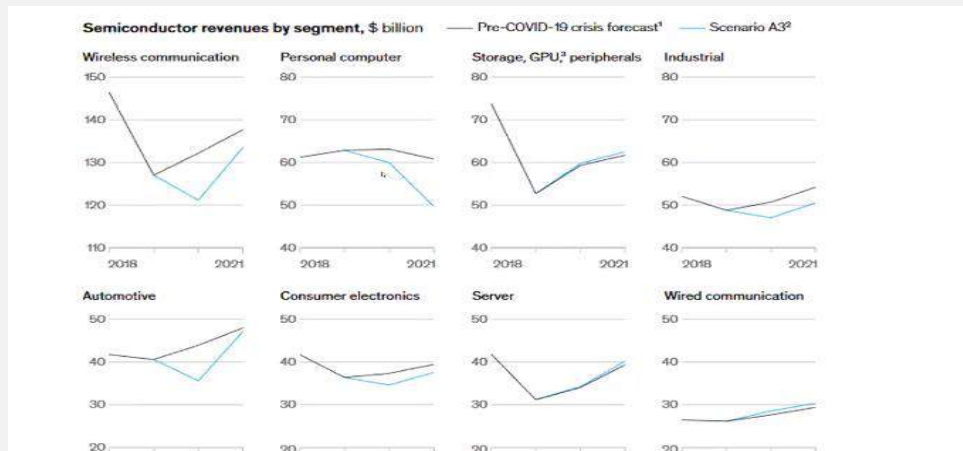
5.Dr.Ihab Adly

Electrical Department

Effect of Covid-19 on Electronic engineering

Who is wining? Who is losing?

- The winning sectors:
 - The health sector
 - The food and agriculture sector
 - Financial and insurance service sectors
 - **Telecommunication services sector**
- The losing sectors include:
 - Light industries: textiles, beverages, tobacco, footwear, etc.
 - Education services
 - Tourism sector including catering and accommodation



6.Dr.Ziad Kalifa

Chemical Department

Pioneering opportunities for chemical Engineering During Covid – 19 pandemic

Faculty of Engineering
Chemical Engineering Department

7th Industrial Linkage Seminar
Industry Responses During Covid-19 Pandemic

Pioneering Opportunities for Chemical Engineering
During Covid-19 Pandemic

الفرص الريادية للهندسة الكيميائية خلال جائحة كورونا

Faculty of Engineering
Chemical Engineering Department

Samples of Research Projects

1. Cement Bricks Based on Powder Rice Straw
2. Effect of addition of MgO silicon Dioxide to Cement Bricks
3. Cement Bricks Based on Shredded Used Tires : Preparation and Characteristics.
4. A green and efficient method for biodiesel production from vegetable oils
5. Industrial waste heat to electricity through organic Rankine cycle ORC
6. Utilization of Electric Arc Furnace Dust as Solid Catalyst in Biodiesel Production
7. Humidification-Dehumidification of desalination process
8. Preparation and characterization of a new adsorbent to be applied in a waste water treatment (I)
9. Treatment of industrial waste water via adsorption technique(I).
10. Gold based nanoparticle catalyst for fuel cell reactions.
11. Photodegradation of textile industry waste over dopst TiO2 nanoparticles.
12. Removal of organic dye from wastewater using magnetic nanoparticles.
13. Efficient Material for Solar Cells

➤ Speakers form Industry

1.Eng. Mohamed El Menshawy

Head of equipment sector in chamber of engineering industries

Academia industry collaboration



2.G. Salah Abd elaziz

CEO of oriental weaver international

Oriental weaver and covid 19


النساجون الشرقيون
OrientalWeavers

النساجون الشرقيون و كوفيد 19


عانت شركة النساجون الشرقيون ببعض المشاكل في ظل جائحة كوفيد 19 منها :

- 1 - توقف توريد الخامات من قبل الموردين.
- 2 - طلب بعض العملاء التوقف عن إرسال شحنات الطلبات الخاصة بهم.
- 3 - مشكلة العمالة التي قلت بالمصانع نظرا لكم الاجازات التي تم منحها للعاملين الذين لديهم أي شك في إصابتهم بالفيروس أو إصابة أي من ذويهم.
- 4 - مشكلة العمل بالموالي و عدم توفر العاملين بالمصالح الحكومية لانتهاء الإجراءات


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Current projects


Between OW and BUE



النساجون الشرقيون
OrientalWeavers


مشروع استخدام رزاز المياه بالوحدة الخارجية لأجهزة التكييف لتقليل كمية استهلاك الكهرباء

Saving power for split air condition system

We install one unit we are currently record the actual measurements to calculate the exact saving for different units


Prof. Hesham Safwat


Prof. S. Akl



3.Dr.Ramez Daoud

AUC

Industry 4.0 Vs Covid-19 Pandemic

7th Industrial Linkage Seminar – BUE – Egypt
Industry Responses During Covid-19 Pandemic
Cairo 04.10.2020 in the Cyber Physical Space >

Industry 4.0 vs Covid-19 Pandemic

Ramez M. Daoud



4.Eng.Ashraf Dwedar

CEO of IG Contractors

Effect on Covid-19 on housing marketing



5.Eng.Saleh abd elalim

Marketing director in Duravit

Effect on Covid-19 on Refractories industry



6.Eng.Mohamed Abd Elkalek

Director of environment sector in Arab Cement Company

Cement industry and Covid-19



➤ Graduation projects Day 2020

Files > Programm director > Graduation day 2020

Name	Modified	Modified By	File size	Sharing
Architecture	September 22	Marwa.Adel	2 items	Shared
Chemical	September 22	Marwa.Adel	2 items	Shared
Civil	September 22	Marwa.Adel	2 items	Shared
Electrical	September 22	Marwa.Adel	2 items	Shared
Mechanical Design	September 22	Marwa.Adel	3 items	Shared

BUE
The British University In Egypt
الجامعة البريطانية في مصر

Design of rice husk panels manufacturing facility

Abdelwahab Ahmed Hussien
Mahmoud Ahmad Elthakaby
Mohab Salah Elsheeta
Mina Emad Adly Farid
Mohamed Moustafa Elmallah

Under supervision of Professor Tamer

Faculty of Engineering

GRADUATION PROJET EXHIBITION & INDUSTRIAL LINKAGE SEMINAR

GPD 2020

4 October 2020

➤ Closure and recommendations

Attendees

- 1- Sayed Akl
- 2- Sarah samy
- 3- Ihab
- 4- Ihab Adly
- 5- Saleh Abdelazleem
- 6- Ahmed Elbaz
- 7- Ahmed Yehia Rashed
- 8- Amal Kasry
- 9- Amr Abdelkader
- 10- Ashraf Dowidar
- 11- Asmaa Khalifa
- 12- Basma Shaheen
- 13- Sameh Mahdy
- 14- Marvy Badr
- 15- Doaa Yehia
- 16- G. Salah
- 17- Germine El Gohary
- 18- Ghada El-MAhdy
- 19- Hany Bastawrous
- 20- Hany Elazab

- 21- Hassan Ragheb
- 22- Hesham Safwat
- 23- Iman Elmahalawi
- 24- Islam Alakraa
- 25- Khaled reda
- 26- Maged Morcos
- 27- Mai Hassan
- 28- Marwa Adel
- 29- Mohamed El Menshawy
- 30- Mohamed Abdel-khalek
- 31- Mohamed Eizeldin
- 32- Mustafa Soliman
- 33- Ramez Daoud
- 34- Ramy Zohdy
- 35- Sahir Sadek
- 36- Ziad Khalifa
- 37- Walaa Salah
- 38- Marianne Nabil
- 39- Ahmed Abdelazim
- 40- Tamer Mohamed
- 41- George Gerges
- 42- Dr. Mohamed Ibrahim
- 43- Dr. Mohammed Fahmy

Survey of Results and Analysis

The industrial linkage seminar has enriched the collaboration between the faculty of engineering and industry. Prompt results have been concluded.

- Inevitability of digital transformation for the local industry. Great efforts will be done for the application of digital transformation in different industrial sectors.
- Developing the collaboration between the nano technology research center and our industrial partners, mutual visits, and joint projects. More utilization of the huge capabilities of the nano technology center.
- Collaboration with the center of the sustainability for green building, green heritage, and green development.
- Starting new projects with the Chamber of Engineering Industries (CEI), for example: the application of vibration technique for purifying drain water. The project was closely discussed with the faculty staff.
- New collaboration with the oriental weavers for the application of vibration technique for machinery condition monitoring beside the oil analysis technique.
- The next specific seminar will be dedicated for housing, construction, and urban development.
- Joint projects were proposed with Duravit company in the field of the refractories industry.
- MOU for collaboration with Arab cement company will be conducted soon.