

# Summit Book

UET-Peshawar  
November 16-17,  
2016

## 2nd Invention to Innovation Summit-KP To Buy and Sell Technology

- About Summit
- Program Schedule Day One– November16, 2016
- Program Schedule Day Two– November17, 2016
- Viable Technologies in Technical Sessions
- Important Exhibitors in Innovation Summit
- Important Sessions of Summit

---

Ms. Fatima Sohail  
(Developer & Editor)

Mr. Faisal Khan  
(Co-Editor)

Dr. Rashida R.  
Zohra  
(In-charge Annual  
Innovation Summit)

---

Contact: Faisal – [faisal@irp.edu.pk](mailto:faisal@irp.edu.pk) – 0313-5803882

## **About Summit**

Innovation Summit is an annual event to exhibit industry driven ideas, products and technologies in Pakistan. The summit provides great opportunity to network with innovation gurus, find commercial partners, promote technology and link your idea with stakeholders.

The Innovation Summit includes:

- Presentation of Viable Technologies through Technical Sessions
- Exhibition of Academic & Industrial Innovative Products/Models
- Exhibition of innovative product/technology/idea by university students
- Display of Innovative Ideas by Schools Students
- Workshops on Research Commercialization
- Business Plan Competition
- Annual Innovation Awards

Khyber Pakhtunkhwa Innovation Summit is hosted by UET Peshawar along with IM Sciences, CECOS, Haripur University and other institutions from academia, industry and Govt.










## **Reasons to Join Innovation Summit**

- Highlight your social impact
- Promote your brand
- Reach to new clients
- Get a new idea and technology
- Network with donors, partners and experts


### **Award in Innovation Summit**

- Akhuwat Social Innovation Award of **Rs. 25,000/-**
- AFAQ Award for Innovation Stars – School Students **Rs. 50,000/-**
- Business Plan Cash Award - **Rs. 30,000/-**
- Chemistry Technology Award by SRC –Shafi Reso Chem - **Rs. 2,000/-**
- Chemical Industry Award by PCMA - **Rs. 10,000/-**
- SATHA Innovation Award for Academia, Industry and Govt
- Technology Award
- The Best Session Award
- The Best Stall Award

**Innovation Summit KP  
Program Schedule Day One– November16, 2016**

 <p>UET, Peshawar 09:00am- 11:00am</p>	<p><b>Session 01: Inauguration:</b></p> <ul style="list-style-type: none"> <li>• Welcome address by Dr. Saeed Gul, Director ORIC, UET, Peshawar</li> <li>• Address by Prof. Dr. Noor Muhammad, Dean Faculty of Engineering, UET Peshawar</li> <li>• Address by Abid H K Shirwani, CEO, Institute of Research Promotion/DG, UMT</li> <li>• Address by Mr. Mohsin Ali Syed, CEO, KPEZDMC on “Policies for Developing Innovative Industries and Opportunities for Academia”</li> <li>• Address by Dr. Mohsin Ali Director, IM Sciences</li> <li>• Address by Dr. Akram Shaikh, DG PASTIC</li> <li>• Address by Dr. Iftikhar Hussain, Vice Chancellor, UET</li> <li>• Address by Guest of Honor - Dr. Mukhtar Ahmed, Chairman HEC (Invited)</li> <li>• Address by Chief Guest- Eng. Iqbal Zafar Jhagra, Governor KP, Pakistan (Invited)</li> </ul> <p><b>Contact: Dr. Saeed Gul – 0332-5799953 - <a href="mailto:saeed.gul@uetpeshawar.edu.pk">saeed.gul@uetpeshawar.edu.pk</a></b></p>
<p><b>Inauguration of Exhibition –Technologies Expo having Prototypes, Models, Idea Posters</b></p>	
	<p><b>Session 02: Technologies for Food Industry</b> Organizer: Dr. Muhammad Liaquat-<a href="mailto:liaquat-leeds@hotmail.co.uk">liaquat-leeds@hotmail.co.uk</a> -03429514938 University of Haripur - 02:00pm-04:00am</p>
	<p><b>Session 03: Business Plan Competition</b> Organizer: Mr. Adnan-adnanmsd1458@<a href="mailto:gmail.com">gmail.com</a>-03349176878 Shaheed Benazir Bhutto University Shringal - 11:00am-04:00pm</p>
	<p><b>Session 04: Biotechnology: Process &amp; Applications for Industry</b> Organizer: Dr. Jamil Khattak -<a href="mailto:jamilkhattak@yahoo.com">jamilkhattak@yahoo.com</a> -0300-5286949 Kohat University of S&amp;T - 02:00pm- 04:00pm</p>
	<p><b>Session 05: Technologies for local Mining Industries</b> Organizer: Dr. Ishaq - <a href="mailto:dr.ishaqahmad@uetpeshawar.edu.pk">dr.ishaqahmad@uetpeshawar.edu.pk</a> – 0333 8813665 UET, Peshawar -02:00pm-04:00pm</p>
	<p><b>Session 06: Technologies for Active Pharmaceutical Intermediates (API)</b> Organizer: Dr. M. Sadiq- <a href="mailto:sadiq@uom.edu.pk">sadiq@uom.edu.pk</a>- 03005286949 University of Malakand - 02:00pm-04:00pm</p>
	<p><b>Session 07: Social Sector Innovations- Processes, Models and Marketing Ideas</b> Organizer: Mr. Adnan Khan- <a href="mailto:adnan.khan@imsciences.edu.pk">adnan.khan@imsciences.edu.pk</a> -03469429249 IM sciences - 02:00pm-04:00 pm</p>
  <p>7:30pm-10:30pm Dinner</p>	<p><b>Session 08: SATHA Innovation Award + Networking dinner</b></p> <ul style="list-style-type: none"> <li>• Welcome Address by Prof. Dr. Muhammad Mohsin Khan, Director IM Sciences</li> <li>• Address by Abid H K Shirwani, President SATHA</li> <li>• Keynote Address by Khalid Saleem Malik, Ex Chairman, Pakistan Poultry Association “Poultry Industry Challenges and Academic Response”</li> <li>• Keynote Address by Prof. Dr. Nasir Ali Khan, Vice Chancellor, University of Haripur on “Developing Institutions Responsive to Industry and Society”</li> <li>• Innovation Award Distribution</li> <li>• Address by Dr. Khalid Khan Additional Secretary, Higher Education Department, KP</li> <li>• Address by Dr. Iftikhar Hussain, Vice Chancellor, UET</li> <li>• Address by Haji Muhammad Afzal, President SARHAD Chamber of Commerce &amp; Industry</li> <li>• Address by M. Zahid Shah, President, Gadoon Industrial Estate Association</li> <li>• Address by Ghulam Dastagir Chairman, KPEZDMC (Invited)</li> <li>• Address by Chief Guest Mr. Assad Qiaser, Speaker of Provincial Assembly, KP (Invited)</li> <li>• Vote of Thanks by Dr. Awais Adnan, Director ORIC IM Sciences</li> </ul>

**Innovation Summit KP  
Program Schedule Day Two– November 17, 2016**

	<b>Session 9: Funding Opportunities for Academia and Industry</b> HEC, ICT R&D Fund, PSF and DOST UET Peshawar - 8:30am-10:30am
	<b>Session 10: Entrepreneurship in Information Technology</b> Organizer: Mr. Adnan Khan- <a href="mailto:adnan.khan@imsciences.edu.pk">adnan.khan@imsciences.edu.pk</a> - 03469429249 IM sciences - 11:00am-01:00pm
	<b>Session 12: Technologies for Sugar Industry and Farmers</b> Organizer: Dr. Sadaf Javaria- <a href="mailto:sadafjavaria@yahoo.com">sadafjavaria@yahoo.com</a> - 0321-9619243 Gomal University - 11.00am-01:00pm
	<b>Session 13: Technologies for Efficient Industrial Processes</b> Organizer: Dr. Nehr Ullah – <a href="mailto:nehrkhan@hotmail.com">nehrkhan@hotmail.com</a> – 0300 9599840 UET, Peshawar - 11:00am-01:00pm
	<b>Session 14: From Lab to Market – Taking Biotech off the Bench</b> Organizer: Dr. Faisal F. Khan - <a href="mailto:faisal@cecos.edu.pk">faisal@cecos.edu.pk</a> -03339795710 CECOS, Peshawar - 11:00am-01:00pm
<b>Lunch/Prayer Break</b>	
	<b>Session 15: Public Policies for Science, Technology and Innovation</b> Organizer: Mr. Zubair Safdar – <a href="mailto:zubair.safdar@ripha.edu.pk">zubair.safdar@ripha.edu.pk</a> – 0321-5823431 Riphah International University - 02:00pm-04:00pm
	<b>Session 16: Technologies for Energy Sector</b> Organizer: Dr. Noman- <a href="mailto:muhammad.noman@uetpeshawar.edu.pk">muhammad.noman@uetpeshawar.edu.pk</a> - 0333 9177218 UET, Peshawar - 02:00pm-04:00pm
	<b>Session 17: Technologies for Electronics and Communication Sector</b> Organizer: Dr. Zubair- <a href="mailto:director.oric@kkkuk.edu.pk">director.oric@kkkuk.edu.pk</a> -0333-9402025 KKKU - 02:00pm-04:00pm
	<b>Session 18: Food Safety our National Responsibility</b> Organizer: Mr. Awais – <a href="mailto:awais.24fst@gmail.com">awais.24fst@gmail.com</a> – 03246128713 National Alliance for Safe Food - 02:00pm-04:00pm
  UET Peshawar 4:30pm- 6:00pm	<b>Session 18: Closing Session</b> <ul style="list-style-type: none"> <li>• Welcome by Prof. Dr. Noor Muhammad, Dean Faculty of Engineering, UET Peshawar</li> <li>• Distribution of Technology Awards</li> <li>• Address by Dr. Riyaz Khattak, Vice Chancellor, CECOS University</li> <li>• Address by Dr. Muhammad Rasul Jan, Vice Chancellor University of Peshawar</li> <li>• Address by Zahid Shah, President, Gadoon Industrial Estate Association</li> <li>• Address by Mr. Ashfaq Paracha Chairman Noshehra Industrial Estate</li> <li>• Address by Chief Guest – Mr. Pervaiz Khatak, Chief Minister, KP (Invited)</li> <li>• Note of Thanks by Dr. Saeed Gul, Director ORIC, UET, Peshawar</li> </ul>

### Viable Technologies in Technical Sessions

1. Dextran for food and health industry
2. Development of chloroprene rubber base high-tech contact adhesives for Pakistani industry.
3. Indigenous development of fleshing and shaving blades used in leather industry
4. Sustainability analysis of plastic industries in Pakistan
5. Producing sugar-free sweetener from stevia leaves using membrane technology
6. Pyrolysis of used disposable diapers (pampers)
7. Electrical & communication (real time wireless power transmission prototype (a micro level approach)
8. Nano filter membrane
9. Mechanical microinjection system and a micro- manipulator
10. Medical research equipment
11. Design and development of boom sprayer and fertilizer spreading machine
12. Multipurpose and multifunction intercropping drill
13. Productivity based evaluation of sugarcane cultivars for sustainable sugar production
14. Process flow re-engineering and improvements in sugar processing for competitiveness
15. Turning press mud into biochar
16. Meta-oxide coatings as promising electrode materials for microbial fuel cell
17. Identification of possibilities for indigenous synthesis of intermediates and drugs in Pakistan
18. A step towards the efficient synthesis of succinimides
19. Discovery of anti-cancer drugs from plants
20. Chiral drugs in Pakistan l-thyroxine a special case.
21. Urease inhibitors from hypericum- oblongifolium
22. Natural product is a source of anti-malarial drugs
23. Synthesis and anti-tuberculosis activity of lipophilic isoniazid derivatives
24. Improving the efficiency / performance of the nitric acid plant
25. Clarification and concentration of fruit juices using membrane technology
26. Development of a novel thermally rearranged (tr) polymeric membrane for gas separation
27. Modeling of a fluidized bed membrane reactor for steam methane reforming process using aspen plus excel interface
28. Development of pebax/zif-7 membrane for global warming reduction
29. Design of a low-cost waste water treatment and recycling process for car wash stations in developing countries
30. Conversion of solid waste into biofertilizer applying effective microbes (em) technology
31. Meta-oxide coatings as promising electrode materials for microbial fuel cell
32. Surface Energetics Approach – An Attractive tool to study interaction of biomolecules to chromatographic supports
33. Recent challenges to Agriculture Biotechnology Industry
34. Gelatin Nano-particles as Potential Nano-carrier for Drug Delivery
35. Biofuel, Herbal drugs and Alternative Food Based products development using modern Biotechnological techniques in Pakistan
36. Heavy metal tolerant bacteria: Potential source of bioremediation and plant growth promotion

## **Major Exhibitors of Innovation Summit**

1. AFAQ Innovative Learning
2. AFAQ Products
3. Akhuwat
4. CECOS University
5. Diamond Foam Jumboloan
6. Green Shields
7. Hamayuns IP Consulting
8. Home Economics College
9. ICT R&D
- 10.IM- Sciences
- 11.Institute of Space Technology
- 12.International Modern Technologies
- 13.IRP Technology
- 14.Khushal Khan Khatak University
- 15.Kohat University
- 16.KPEZDMC
- 17.KPOGDC
- 18.Momentum
- 19.National Alliance for Safe Food
- 20.NCEPC
- 21.NIFA
- 22.NUST
- 23.NUST EME
- 24.Pakistan Poultry Association
- 25.PASTIC
- 26.Pakistan Chemical Association
- 27.PCSIR
- 28.Sargodha University
- 29.SRC -Shafi Reso Chem
- 30.STEDC
- 31.UET, Peshawar
- 32.University of Agriculture Peshawar
- 33.University of Punjab

## **Important Sessions of Summit**

### **Program**

#### **❖ Biotechnology: Process & applications for industry**

November 16, 2016 – Time 02.00 pm – 4.00 pm – by Kohat University of Science and Technology

#### **Program**

- Presentation of technologies
- Heavy metal tolerant bacteria: Potential source of bioremediation and plant growth promotion
- Biofuel, Herbal drugs and Alternative Food Based products development using modern Biotechnological techniques in Pakistan
- Gelatin Nano-particles as Potential Nano-carrier for Drug Delivery
- Recent challenges to Agriculture Biotechnology Industry
- Surface Energetics Approach – An Attractive tool to study interaction of biomolecules to chromatographic supports

#### **❖ Technologies for active pharmaceutical intermediates (API)**

November 16, 2016 – Time: 02.00 pm – 4.00 pm – by University of Malakand

#### **Program**

- Presentation on Identification of possibilities for indigenous synthesis of intermediates and drugs in Pakistan
- Presentation on A step towards the efficient synthesis of succinimides
- Presentation on Discovery of anti-cancer drugs from plants
- Presentation on Chiral drugs in Pakistan L-thyroxine a special case.
- Presentation on Urease Inhibitors from Hypericum- oblongifolium
- Presentation on Natural product is a source of anti-malarial drugs
- Presentation on Synthesis and anti-tuberculosis activity of lipophilic isoniazid derivatives

#### **❖ SATHA Innovation Award + Networking dinner**

November 16, 2016 – Time: 7.30 pm – 10.30 pm – by Institute of Management Sciences, Peshawar

Participants: VCs, Industrialists, Researchers, Policy makers, Innovators

#### **Program**

- Welcome Address by Prof. Dr. Muhammad Mohsin Khan, Director IM Sciences
- Address by Abid H K Shirwani, President SATHA
- Keynote Address by Prof. Dr. Nasir Ali Khan, Vice Chancellor, University of Haripur on “Developing Institutions Responsive to Industry and Society”
- Innovation Award Distribution
- Address by Dr. Khalid Khan Additional Secretary, Higher Education Department, KP
- Address by Dr. Iftikhar Hussain, Vice Chancellor, UET
- Address by Haji Muhammad Afzal, President SARHAD Chamber of Commerce & Industry
- Address by Ghulam Dastagir Chairman, KPEZDMC (Invited)
- Address by Chief Guest Mr. Assad Qiaser, Speaker of Provincial Assembly, KP (Invited)
- Vote of Thanks by Dr. Awais Adnan, Director ORIC IM Sciences



### ❖ **Fund Wining Opportunities for Academia and Industry**

November 17, 2016 – Time: 08:30am-10am by Organized by BOASAR, UET Pesahwar

#### **Program:**

- Presentation on Funding Opportunities with HEC by Madam Noshaba Awais, Director R&D HEC
- Presentation on Funding Opportunities with ICT R&D Fund by Mr. Ail Iqba, ICT R&D Fund
- Presentation on Funding Opportunities with Pakistan Science Foundation by Dr. Mirza Habib Ali, Director Research, Pakistan Science Foundation
- Presentation on Funding Opportunities with DOST by Dr. Abid Sohail, Deputy Director, Directorate of Science and Technology, KP
- Address by Guest of Honor- Mr. Riaz Khattak, Vice President, Federal Chamber of Commerce and Industries
- Address by Session Chair – Prof. Noor Muhammad, Dean Engineering, UET Peshawar

### ❖ **Technologies for Sugar industry and Sugarcane farmers**

Date: November 17, 2016 – Time: 11.30 am to 1.30 pm – by Gomal University

#### **Program**

- Welcome address by Dr. Allah Nawaz, Director ORIC, GU, D.I. Khan
- Address by Prof. Dr. Ejaz Ahmad Khan, Dean Faculty of Agriculture, GU, D.I. Khan
- Address by Guest of Honor, Dr. Khalid Khan, Additional Secretary, HED, Peshawar
- Presentation of Technologies
- Concentration of Sugarcane Juice using Membrane Technology
- Process Flow Re-Engineering and Improvements in sugar processing for competitiveness
- Multipurpose and multifunction intercropping drill
- Turning press mud into biochar
- Dextran for Food, Health and Sugar Industry
- Productivity based evaluation of sugarcane cultivars for sustainable sugar production.

### ❖ **Technologies for Efficient Industrial Processes**

November 17, 2016 – Time: 11.00 am – 01.00 pm – by University of Engineering & Technologies

Participants: Industries, Students

#### **Program**

- Development of chloroprene rubber base high-tech contact adhesives for Pakistani industry
- Indigenous development of fleshing and shaving blades used in leather industry
- Sustainability analysis of plastic industries in Pakistan
- Producing sugar-free sweetener from stevia leaves using membrane technology
- Pyrolysis of used disposable diapers (pampers)
- Improving the efficiency / performance of the nitric acid plant
- Clarification and concentration of fruit juices using membrane technology
- Development of a novel thermally rearranged (tr) polymeric membrane for gas separation
- Modelling of a fluidized bed membrane reactor for steam methane reforming process using aspen plus<sup>®</sup> -excel interface
- Development of Pebax/zif-7 membrane for global warming reduction
- Design of a low cost waste water treatment and recycling process for car wash stations in developing countries
- Conversion of solid waste into biofertilizer applying effective microbes (em) technology

- Meta-oxide coatings as promising electrode materials for microbial fuel cell
- Energy analysis of naphtha reforming process based on computational fluid dynamic (cfd) technique

❖ **Strengthening KP ORICs -KP ORIC Forum**

Date: November 16-17, 2016 – Time: 03pm-05pm – by UET Peshawar

Participants: Directors ORICs of Universities of KP

**Program:**

- Welcome by Dr. Awais Adnan, Director ORIC IM Sciences
- THA Entrepreneurial University Framework to strengthen ORICs by Rahmat Ullah, General Secretary SATHA – South Asia Triple Helix Association
- Role of IPR to strengthen ORICs for technology transfer by Saad Nasrullah, Director Hamayuns IP Consulting
- ECO SF to strengthen ORICs International Linkages by Ghulam Abbas, ECO Science Foundation (ECOSF)
- Highlights of ORICs and Discussion
- Address by Noshaba Awais, Director R&D HEC
- Address by Industry Representative
- Note of Thanks by Dr. Saeed Gul, Director ORIC UET

❖ **Food safety our National Responsibility**

Date: November 17, 2016 – Time: 02.00 pm to 04.00 pm – by National Alliance for Safe Food & Popular Food Industry

**Program**

- Address by Dr. Alam Zaib Khan (NIFA Peshawar)
- Dr. Muhammad Jahangir (University of Haripur)
- Dr. Yasin Muhammad (NIFA Peshawar)
- Dr. Mohammad Naeemullah Naeem (Manager Quality, Popular Food Industry)
- Mr. Tanveer Chaudhary (Manager Production, English Biscuit Manufacturer)
- Mr. Sarim Mahmood (Manager Business Development Qarshi Food Industry)

❖ **Public Policies Impact on Science, Innovation and Technology**

Date: November 17, 2016 – Time: 02.00 – 4.00 pm – by RIPHAH International University

**Program**

- Address by Mr. Tahir Khattak, CEO PHSADC Hunting and sporting industry
- Address by Hakeem Shah, Director General, Pakistan Forest Institute
- Address by Dr. Nadeem Ahmad Khan, Director ORIC, PIDE
- Address by Mr Shafiullah Khan, Director Higher Education Commission Regional Centre
- Address by Dr. Muhammad Naeem, Head of Department of Economics, University of Peshawar
- Address by Engr. Jehan Zeb Khan, (Dy. Registrar) PEC, Regional Office, Peshawar
- Address by Javed Iqbal Khattak, Provincial Chief, SMEDA Khyber Pakhtunkhwa
- Address by Mr. Ilyas Ali Shah, Principal Gems and jewelry training center
- Address by Mr. Ikram Ghani, Chairman, Pakistan Tobacco Board, Peshawar
- Address by Dr. Rashid Aftab, Director, Riphah Institute of Public Policy