

Reviewers

FIT 2015

Majid Iqbal Khan, *COMSATS institute of Information Technology, Islamabad, Pakistan*
Zara Hamid, *COMSATS institute of Information Technology, Islamabad, Pakistan*
Farhana Jabeen, *COMSATS institute of Information Technology, Pakistan*
Sadaf Tanvir, *COMSATS institute of Information Technology, Pakistan*
Khaled Elgazzar, *Carnegie Mellon University, Pennsylvania*
Osameh Al-Kofahi, *Yarmouk University, Jordan*
Khalid Latif, *National University of Science and Technology, Pakistan*
Muhammad Uzair Khan, *National University of Computer and Emerging Sciences, Pakistan*
Muhammad Imran, *King Saud University, Saudi Arabia*
Abdallah Shami, *Western University, Canada*
Junaid Zubairi, *State University of New York, USA*
Zawar Shah, *National University of Sciences and Technology, Pakistan*
Syed Hassan, *National University of Sciences and Technology, Pakistan*
Amir Dar, *COMSATS institute of Information Technology, Pakistan*
Muhammad Iqbal, *University of Central Punjab, Lahore, Pakistan*
Tariq Khanzada, *Mehran University of Engineering and Technology, Pakistan*
Muhammad Aslam, *University of Engineering and Technology, Lahore, Pakistan*
Muhammad Naeem, *Hazara University, Pakistan*
Irfan Ahmed, *Taif University, Saudi Arabia*
Shurjeel Wyne, *COMSATS institute of Information Technology, Pakistan*
Mubashar Mushtaq, *Quaid i Azam University, Pakistan*
Farooq Tahir, *NUST-SEECS, Pakistan*
Iftikhar Khan, *University of Engineering and Technology, Pakistan*
Vali Uddin, *Hamdard University, Karachi, Pakistan*
Awais Majeed, *Bahria University, Islamabad, Pakistan*
Jehan Shah, *Optics Labs*
Siffat-Ullah Khan, *University of Malakand, Pakistan*
Nejib Moalla, *University of Lyon 2, France*
Gulistan Raja, *University of Engineering and Technology, Taxila, Pakistan*
Aamer Nadeem, *Mohammad Ali Jinnah University, Pakistan*
Ali Nawaz Khan, *COMSATS institute of Information Technology, Pakistan*
Sheikh Ziauddin, *COMSATS institute of Information Technology, Pakistan*
Rashad Ramzan, *National University of Computer and Emerging Sciences, Pakistan*
Fawad Ahmed, *HITEC University, Pakistan*
Muhammad Ali, *Institute of Management Sciences, Peshawar, Pakistan*
Qasim Ahmed, *National University of Computer and Emerging Sciences, Pakistan*
Eraj Khan, *COMSATS institute of Information Technology, Pakistan*
Zahid Anwar, *NUST-SEECS, Pakistan*
Mohammad Shahid, *Shaikh Habib University, Karachi, Pakistan*
Abdur Rashid, *COMSATS institute of Information Technology, Pakistan*
Faisal Karim Shaikh, *Mehran University of Engineering and Technology*
Adeel Anjum, *COMSATS institute of Information Technology, Pakistan*
Kashif Zia, *COMSATS institute of Information Technology, Pakistan*
Nasir Ahmad, *University of Engineering and Technology Peshawar, Pakistan*
Kashif Zafar, *National University of Computer & Emerging Sciences, Pakistan*
Jinsung Cho, *Kyung Hee University, South Korea*

Abdur Rakib, *University of Nottingham Malaysia Campus*
Sufi T. Gul, *SUPELEC, France*
Anjum Ali, *National University of Computer and Emerging Sciences, Pakistan*
Saad Rehman, *National University of Sciences and Technology, Pakistan*
Sohail Razzaq, *COMSATS intitute of Information Technology, Pakistan*
Asim Khan, *NU-FAST, Pakistan*
Ashfaq Ahmed, *COMSATS intitute of Information Technology, Pakistan*
Junaid Mughal, *COMSATS intitute of Information Technology, Pakistan*
Aimal Rextin, *COMSATS intitute of Information Technology, Pakistan*
Tariq Umer, *COMSATS intitute of Information Technology, Pakistan*
Ertugrul Aksoy, *Gazi University, Turkey*
Sadiq Ullah, *University of Engineering and Technology, Peshawar, Pakistan*
Bushra Naz, *COMSATS intitute of Information Technology, Pakistan*
Munam Shah, *COMSATS intitute of Information Technology, Pakistan*
Nadeem Akhtar, *The Islamia University of Bahawalpur, Pakistan*
Mukaram Khan, *National University of Science and Technology, Pakistan*
Muhammad Wasif, *COMSATS intitute of Information Technology, Pakistan*
Farrukh Nadeem, *King Abdulaziz University, Saudi Arabia*
Shahbaz Khan, *University of Engineering & Technology, Peshawar, Pakistan*
Ghulam Mahdi, *COMSATS intitute of Information Technology, Pakistan*
Yasir Faheem, *COMSATS intitute of Information Technology, Pakistan*
Zeshan Iqbal, *COMSATS intitute of Information Technology, Pakistan*
Shafqat Shad, *COMSATS intitute of Information Technology, Pakistan*
Rafi Shan, *COMSATS intitute of Information Technology, Pakistan*
Waqas Anwar, *COMSATS intitute of Information Technology, Pakistan*
Syed Sajid Hussain, *COMSATS intitute of Information Technology, Pakistan*
Nadia Qadri, *COMSATS intitute of Information Technology, Pakistan*
Arshad Muhammad, *Sohar University Sohar, Oman*
Najmus Saqib Malik, *COMSATS Institute of Information Technology, Islamabad, Pakistan*
Abdul Rashid, *COMSATS Institute of Information Technology, Abbottabad, Pakistan*
Ahmed Hussain Qureshi, *SEECS, NUST, Islamabad, Pakistan*
Ammar Hassan, *SEECS, NUST, Islamabad, Pakistan*
Umar Khan, *SEECS, NUST, Islamabad, Pakistan*
Andreas Riener, *Johannes Kepler University, Linz, Austria*
Arshad Mehmood Chaudhry, *COMSATS Institute of Information Technology, Abbottabad, Pakistan*
Asif Ali Khan
Awais Kamboh, *SEECS, NUST, Islamabad, Pakistan*
Bilal Khan, *COMSATS Institute of Information Technology, Abbottabad, Pakistan*
Faiq Khalid Lodhi, *SEECS, NUST, Islamabad, Pakistan*
Farooq Tahir, *SEECS, NUST, Islamabad, Pakistan*
Ghulam Mujtaba, *COMSATS Institute of Information Technology, Abbottabad, Pakistan*
Hammad Cheema, *SEECS, NUST, Islamabad, Pakistan*
Iftikhar Rana, *SEECS, NUST, Islamabad, Pakistan*
Junaid Khan, *NUST, Islamabad, Pakistan*
Khalid Munawar, *King Abdulaziz University, Saudi Arabia*
Khurram Aziz, *COMSATS Institute of Information Technology, Islamabad, Pakistan*
Laiq Hasan, *UET Peshawar, TU Delft*
Mohammad Shahid Shaikh, *Habib University, Karachi, Pakistan*
Muhammad Abid, *PIEAS, Islamabad, Pakistan*
Muhammad Adil, *PIEAS, Islamabad, Pakistan*
Muhammad Ali, *University of Engineering & Technology, Lahore, Pakistan*
Oluwadara Adegbite, *Tennessee Tech University, USA*

Osman Hassan, *SEECs, NUST, Islamabad, Pakistan*
Owais, *COMSATS Institute of Information Technology, Abbottabad, Pakistan*
Rabiah Badar, *COMSATS Institute of Information Technology, Islamabad, Pakistan*
Raza Kazmi, *SEECs, NUST, Islamabad, Pakistan*
Rehan Hafiz, *SEECs, NUST, Islamabad, Pakistan*
Sahibzada Muhammad Ali, *COMSATS Institute of Information Technology, Abbottabad, Pakistan*
Sameer Farooq, *PIEAS, Islamabad, Pakistan*
Shahrukh Agha, *COMSATS Institute of Information Technology, Islamabad, Pakistan*
Shamim Baig, *CASE, Islamabad, Pakistan*
Shamyl Bin Mansoor, *SEECs, NUST, Islamabad, Pakistan*
Sohail Razzaq, *COMSATS Institute of Information Technology, Abbottabad, Pakistan*
Syed Anwar, *University of Engineering & Technology, Taxila, Pakistan*
Syed Rafay Hasan, *Tennessee Tech University, USA*
Syed Rameez Naqvi, *Vienna University of Technology, Austria*
Umair Naeem, *COMSATS Institute of Information Technology, Islamabad, Pakistan*
Umar Khan, *SEECs, NUST, Islamabad, Pakistan*
Vali Uddin, *Hamdard University, Karachi, Pakistan*
Henry Monti, *Virginia Tech, USA*
Muhammad Uzair Khan, *FAST-NUCES Islamabad, Pakistan*
Zaki Malik, *Wayne State University, USA*
Kamran Safdar, *PIEAS, Islamabad*
Mazliza Othman, *University of Malaya, Malaysia*
Asif Ullah Khan, *PIEAS, Islamabad*
Muhammad Wasif Nisar, *COMSATS Institute of IT, Pakistan*
Min Li, *IBM Research, Ireland*
Muhammad Sharif, *COMSATS Institute of IT, Pakistan*
Vignesh Ravi, *AMD, USA*
Muhammad Abid, *PIEAS, Islamabad*
Ivanwh Ho, *The Hong Kong Polytechnic University, Hong Kong*
Sheraz Anjum, *COMSATS Institute of IT, Pakistan*
Waqar Mehmood, *COMSATS Institute of IT, Pakistan*
Sarfranz Nawaz, *University of Cambridge, United Kingdom*
Nadir Shah, *COMSATS Institute of IT, Pakistan*
Ruiping Ma, *University of Massachusetts Dartmouth, USA*
Farhan Riaz, *College of EME, Rawalpindi*
Reza Farivar, *Yahoo, USA*
Shafqat Ali Shad, *COMSATS Institute of IT, Pakistan*
Arshad Ali, *Islamic University in Medinah, Saudi Arabia*
Muhammad Khalil Afzal, *COMSATS Institute of IT, Pakistan*
Zohaib Iqbal, *FAST-NUCES Islamabad, Pakistan*
Tariq Umer, *COMSATS Institute of IT, Pakistan*
Farruh Ishmanov, *Kwangwoon University, South Korea*
Kh. Muhammad Umar Suleman, *FAST-NUCES Lahore, Pakistan*
Nayyer Masood, *Muhammad Ali Jinnah University, Islamabad*
Muhammad Waqas Anwar, *COMSATS Institute of IT, Pakistan*
Tassawar Iqbal, *COMSATS Institute of IT, Pakistan*
Aamer Nadeem, *Muhammad Ali Jinnah University, Islamabad*
Nazir Ahmad Zafar, *COMSATS Institute of IT, Pakistan*
Hajira Jabeen, *Leipzig University, Germany*
Iftikhar Ahmed Khan, *COMSATS Institute of IT, Pakistan*
Kamel Rushaidat, *Wayne State University, USA*

Muzaffar Khan, *King Saud University, Saudi Arabia*
 Usman Akram, *College of EME, Rawalpindi*
 Azeem Abbas, *Universiti Teknologi PETRONAS, Malaysia*
 Atif Mashkoo, *SCCH, Austria*
 Sara Shahzad, *University of Peshawar*
 Fazal-e-Amin, *King Saud University, Saudi Arabia*
 Ali Hassan, *College of EME, Rawalpindi*
 Wasif Afzal, *Mälardalen University, Sweden*
 Maaz Rehan, *COMSATS Institute of IT, Pakistan*
 Hussain Dawood, *UET, Taxila*
 Zili Zhang, *Shenzhen Graduate School, Harbin Institute of Technology, China*
 Fasih-ur-Rehman, *COMSATS Institute of IT, Pakistan*
 Chengjie Sun, *Harbin Institute of Technology, Harbin, China*
 Umer Farooq, *University of Science and Technology, Bannu*
 Qaiser Chaudhry, *College of EME, Rawalpindi*
 Gerald Schaefer, *Loughborough University, United Kingdom*
 Ayyaz Hussain, *International Islamic University, Islamabad*
 Javaid Iqbal, *COMSATS Institute of IT, Pakistan*
 Talha Akram, *COMSATS Institute of IT, Pakistan*
 Akbar Gardezi, *COMSATS Institute of IT, Pakistan*
 Saad Rehman, *College of EME, Rawalpindi*
 Aneela Zameer Jaafery, *PIEAS, Islamabad*
 Shahzad Ahmad Qureshi, *PIEAS, Islamabad*
 Hassan Dawood, *UET, Taxila*
 Abdul Majid, *PIEAS, Islamabad*
 Anila Usman, *PIEAS, Islamabad*
 Abdul Jalil, *PIEAS, Islamabad*
 Javaid Khurshid, *PIEAS, Islamabad*
 Safdar Zaman, *COMSATS Institute of IT, Pakistan*
 Waqas Jadoon, *COMSATS Institute of IT, Pakistan*
 Farman Ali Marwat, *COMSATS Institute of IT, Pakistan*
 Ibrar Hussain, *COMSATS Institute of IT, Pakistan*
 Zahoor-ur-Rehman Tanoli, *COMSATS Institute of IT, Pakistan*
 Nawazish Naveed, *College of Applied Science, Oman*
 Zulfiqar Habib, *COMSATS Institute of IT, Pakistan*
 Ghulam Rasool, *COMSATS Institute of IT, Pakistan*
 Hamid Turab Mirza, *COMSATS Institute of IT, Pakistan*
 Muhammad Aksam Iftikhar, *COMSATS Institute of IT, Pakistan*
 Rao Muhammad Adeel Nawab, *COMSATS Institute of IT, Pakistan*
 Wajahat Mahmood Qazi, *COMSATS Institute of IT, Pakistan*
 Javed Ferzund, *COMSATS Institute of IT, Pakistan*
 Muhammad Asif, *COMSATS Institute of IT, Pakistan*
 Aqeel-ur-Rehman, *COMSATS Institute of IT, Pakistan*
 Muhammad Asim Noor, *COMSATS Institute of IT, Pakistan*
 Iftikhar Azim Niaz, *COMSATS Institute of IT, Pakistan*
 Muhammad Kamran, *COMSATS Institute of IT, Pakistan*
 Mussarat Abdullah, *COMSATS Institute of IT, Pakistan*
 Ahmad Din, *COMSATS Institute of IT, Pakistan*
 Sami Ur Rahman, *University of Malakand, Pakistan*
 Muhammad Nawaz, *Institute of Management Sciences Peshawar*
 Siffat Ullah Khan, *Department of Computer Science & IT, University of Malakand*

Muhammad Iqbal, *COMSATS Institute of IT, Pakistan*
 Muhammad Naeem, *COMSATS Institute of IT, Pakistan*
 Ayyaz Ahmad, *COMSATS Institute of IT, Pakistan*
 Sajjad Ali Haider, *COMSATS Institute of IT, Pakistan*
 Ashfaq Ahmad, *COMSATS Institute of IT, Pakistan*
 Muhammad Awais, *COMSATS Institute of IT, Pakistan*
 Muhammad Waqar Aziz, *Umm Al-Qura University, KSA*
 Chandra Krintz, *University of California, Santa Barbara*
 Jinjun Chen, *University of Technology, Australia*
 Laurence T. Yang, *St Francis Xavier University, Canada*
 Jiannong Cao, *Hong Kong Polytechnic University, Hong Kong*
 Stefan Schmid, *TU Berlin & Telekom Innovation Laboratories (T-Labs), Germany*
 Elisa Bertino, *Purdue University, USA*
 Paul Watson, *Newcastle University, United Kingdom*
 Wei Sun, *NICTA, Australia*
 Schahram Dustdar, *TU Wien, Austria*
 Dhavalkumar Thakker, *University of Leeds, England*
 Chang Liu, *University of Technology, Sydney*
 Dan Chen, *Wuhan University, United Kingdom*
 Miranda Zhang, *ANU, CSIRO, Australia*
 Asad Malik, *NUST-SEECS, Pakistan*
 Abdul Nasir Khan, *COMSATS Institute of Information Technology, Pakistan*
 Atta Ur Rehman Khan, *COMSATS Institute of Information Technology, Pakistan*
 Syed Ali Haider, *SEECS-NUST, Pakistan*
 Muaz Niazi, *COMSATS Institute of IT*
 Syed Waqar Ul Qounain Jaffry, *University of The Punjab, Lahore*
 Qasim Ali Chaudhry, *University of Engineering and Technology*
 Qaisar Fatmi, *COMSATS Institute of IT*
 Shah Jamal Alam, *Habib University*
 Ghulam Abbas, *GIK Institute of Engineering Sciences and Technology*
 Giancarlo Fortino, *University of Calabria*
 Farooq Kiani RCMS, *NUST and IWR, Heidelberg University, Germany*
 Hassan Khalid, *Jagiellonian University*
 Sanna Aizad, *COMSATS Institute of IT*
 Jamil Ahmad, *National University of Science and Technology*
 Shahid Qamar, *University of Louisville*
 Ted Carmichael, *University of North Carolina at Charlotte*
 Francesco Longo, *University of Calabria*
 Kamran Farooq, *University of Stirling*
 Pietro Ciproso, *Istituto Auxologico Italiano*
 Rozniza Ali, *University of Stirling*
 Kashif Zafar, *National University of Computer & Emerging Sciences*
 Dr. Aqil Burney, *IoBM Karachi-Pakistan*
 Camelia Pinteau, *Tech Univ Cluj-Napoca North Univ Baia-Mare*
 Kewen Zhao, *Qiongzhou University, China*
 Amir Hussain, *University of Stirling*
 Stefania Bandini, *CSAI - Complex Systems & Artificial Intelligence Research Center*
 Barna Laszlo Iantovics, *Petru Maior University of Tg. Mures*
 Ahmar Rashid, *GIK Institute of Engineering Sciences and Technology*
 Giuseppe Vizzari, *University of Milano-Bicocca*
 He Qing Huang, *Chinese Academy of Sciences*

Masroor Hussain, *Ghulam Ishaq Khan Institute*
 Marcin Paprzycki, *IBS PAN and WSM*
 Maria Ganzha, *University of Gdańsk, Poland*
 Nazir Ahmad, *University of Central Punjab*
 Al-Sakib Khan Pathan, *International Islamic University Malaysia (IIUM)*
 Adnan Shahid, *Yonsei University*
 Komal Batool, *Military College of Signals*
 Najam Ul Islam Muhammad, *Bahria University*
 Kashif Zia, *COMSATS Institute of Information Technology*
 Faisal Riaz, *Cognitive Radio Research Group IQRA University*
 Awais Majeed, *Bahria University, Islamabad*
 Amina Jamil, *Bahria University*
 Tamim Khan, *Bahria University*
 Sabah Suhail, *COMSATS Institute of IT*
 Erik Cambria, *Nanyang Technological University*
 Amnah Siddiq, *COMSATS Institute of IT*
 Adamu Murtala, *Zungeru Botswana International University of Science and Technology*
 Shagufta Henna, *Bahria University Islamabad*
 Haider Abbas, *King Saud University, Saudi Arabia*
 Muhammad Hasan Islam, *CASE, Pakistan*
 Ghazanfar Farooq, *Quaid-i-Azam University, Pakistan*
 Muhammad Abdul Qadir, *Mohammad Ali Jinnah University, Pakistan*
 Sharifullah Khan, *National University of Science and Technology, Pakistan*
 Nayyer Masood, *Mohammad Ali Jinnah University, Pakistan*
 Khalid Latif, *National University of Science and Technology, Pakistan*
 Amir Hayat, *COMSATS Institute of Information Technology, Islamabad, Pakistan*
 Naeem Khan, *SZABIST, Pakistan*
 Aamer Nadeem, *Mohammad Ali Jinnah University, Pakistan*
 Anwar us Saeed, *P.A.E.C, Pakistan*
 Rabeeh Ayaz, *Quaid-i-Azam University, Pakistan*
 Muhammad Tanvir Afzal, *Mohammad Ali Jinnah University, Pakistan*
 Waseem Shahzad, *National University of Computer and Emerging Sciences, Pakistan*
 Ali Daud, *International Islamic University, Pakistan*
 Nadeem Javaid, *COMSATS Institute of Information Technology, Pakistan*
 Najmus Saqib, *COMSATS Institute of Information Technology, Pakistan*
 Rahat Bukhari, *Al-Khair Univeristy, Pakistan*
 Sheikh Zia uddin, *COMSATS Institute of Information Technology, Pakistan*
 Irfan ul Haq, *Pakistan Atomic Energy Commission, Pakistan*
 Haider Abbas, *King Saud University, Saudi Arabia*
 Muhammad Hasan Islam, *CASE, Pakistan*
 Ghazanfar Farooq, *Quaid-i-Azam University, Pakistan*
 Muhammad Abdul Qadir, *Mohammad Ali Jinnah University, Pakistan*
 Sharifullah Khan, *National University of Science and Technology, Pakistan*
 Nayyer Masood, *Mohammad Ali Jinnah University, Pakistan*
 Khalid Latif, *National University of Science and Technology, Pakistan*
 Amir Hayat, *COMSATS Institute of Information Technology, Islamabad, Pakistan*
 Naeem Khan, *SZABIST, Pakistan*
 Aamer Nadeem, *Mohammad Ali Jinnah University, Pakistan*
 Anwar us Saeed, *P.A.E.C, Pakistan*
 Rabeeh Ayaz, *Quaid-i-Azam University, Pakistan*
 Muhammad Tanvir Afzal, *Mohammad Ali Jinnah University, Pakistan*

Waseem Shahzad, *National University of Computer and Emerging Sciences, Pakistan*
Ali Daud, *International Islamic University, Pakistan*
Nadeem Javaid, *COMSATS Institute of Information Technology, Pakistan*
Najmus Saqib, *COMSATS Institute of Information Technology, Pakistan*
Rahat Bukhari, *Al-Khair Univeristy, Pakistan*