

Curriculum Vitae

Name: Mahmood-ul-Hassan
Mailing Address: Department of Physics, University of the Punjab, New Campus, Lahore, Pakistan
Telephone number: 0333-4379642
Email Address: mahmoodulhassan786@yahoo.com
Date of Birth: 01-06-1979
Domicile: Jhang (Punjab) Pakistan
Marital Status: married
Nationality: Pakistani

Educational Qualifications:

Sr. #	Degree	Year	Institution/University
1	Ph.D (semiconductor and solid state physics)	2011	Institute of Semiconductor and Solid State Physics, Johannes Kepler University, Linz, Austria
2	M.Phil (Solid State Physics)	2004	CSSP, Punjab University, Lahore
3	M.Sc (Physics)	2001	Punjab University, Lahore
4	B.Sc (Physics, Chemistry, Mathematics)	1999	Punjab University, Lahore
5	F.Sc (Pre-Eng)	1997	BISE, Faisalabad.
6	Matric (Science)	1995	BISE, Faisalabad.

Present Status: Lecturer, Department of Physics, University of the Punjab, Quaid-i-Azam Campus, Lahore, Pakistan

Field of Specialization: Semiconductor and Solid State Physics.

Research Experience: Two year working experience as Research Assistant at Centre for Solid State Physics, University of the Punjab, Lahore, Pakistan.

Conference Presentations:

Oral Presentations

1. Mahmood ul Hassan, Saira Riaz, Shahzad Naseem, “*Dependence of structural properties of CIGS thin films on reaction time at 250 °C, and 450 °C.*” Pakistan Institute of Physics (PIP) International Conference held at University of Engineering and Technology, Lahore (2006), Pakistan
2. M. Hassan, R.T. Lechner, G. Springholz, H. Groiss, R. Kirchschlager and G. Bauer, “*Structural characterization of ferromagnetic $Ge_{1-x}Mn_xTe$ grown by molecular beam epitaxy*”, PIP (Pakistan Institute of Physics) International Conference 2009, oral presentation, 23rd-26th February 2009, University of Engineering and Technology (UET), Lahore, Pakistan
3. M. Hassan, G. Springholz, R. T. Lechner, H. Groiss, R. Kirchschlager, G. Bauer, “*Anisotropic Structure and Ferromagnetic Properties of Epitaxial $GeMnTe$* ”. 16th International conference on Molecular Beam Epitaxy (MBE), 22-27 August 2010, Berlin, Germany.

Poster Presentation

1. M. Ul-Hassan, R.T. Lechner, G. Springholz, H. Groiss, R. Kirchschlager and G. Bauer, *Structural properties of ferromagnetic $Ge_{1-x}Mn_xTe$ grown by molecular beam epitaxy*, 9th Biennial Conference on High Resolution X-Ray Diffraction and Imaging (XTOP), 15.-19.9. 2008 in Linz, Austria
2. M. Hassan, R. Kirchschlager, R. T. Lechner, W. Heiss, G. Bauer, and G. Springholz, *Anisotropic Structure and Magneto-Transport in Ferromagnetic $Ge_{1-x}Mn_xTe$ Epilayers*, 16th International Winterschool on New Developments in Solid State Physics: Low Dimensional Systems, 22.-26.2.2010, Mauterndorf, Austria.

Journal Publications:

1. R.T. Lechner, G. Springholz, M. Hassan, H. Groiss, R. Kirchschlager, J. Stangl, N. Hrauda, G. Bauer, “*Phase separation and exchange biasing in the ferromagnetic IV-VI semiconductor $Ge_{1-x}Mn_xTe$* ”, Appl. Phys. Lett. **97**, 023101 (2010).
2. M. Hassan, G. Springholz, R. T. Lechner, H. Groiss, R. Kirchschlager, G. Bauer, “*Molecular beam epitaxy of single phase $GeMnTe$ with high ferromagnetic transition temperature*”, Journal of Crystal Growth **323**, 1 (2011).