

Eberly College of Science/The Pennsylvania State University
 ITR: Modelling and Numerical Simulation for Proton Exchange Membrane Fuel Cells
 National Science Foundation
 Project Dates: 08/01/2002 - 07/31/2005

	08/01/2002 - 07/31/2003	08/01/2003 - 07/31/2004	08/01/2004 - 07/31/2005	TOTAL
DIRECT COSTS				
Salaries (Category I)				
Jinchao Xu, Principal Inv.	0	0	0	0
Jesse Barlow, Co-PI	0	0	0	0
Chun Liu, Co-PI	0	0	0	0
Chao-Yang Wang, Co-PI	0	0	0	0
Ludmil Zikatanov, Co-PI	0	0	0	0
Jinbiao Wu - Sr. Research Assoc.	0	0	0	0
Subtotal	0	0	0	0
Salaries (Category II)				
Graduate Assistants (3) @ 50% /9 mos. (Math, CSE, MNE)	41,082	42,522	44,010	127,614
Subtotal	41,082	42,522	44,010	127,614
Salaries (Category III)				
Post Doctoral Scholar @ 100% of time/12 mos.	30,000	31,050	32,137	93,187
Graduate Researchers (3) @ 50% of time/3 mos. SU	13,606	14,083	14,576	42,265
Subtotal	43,606	45,133	46,713	135,452
Total Salaries and Wages	84,688	87,655	90,723	263,066
Fringe Benefits as defined in budget notes	5,342	5,529	5,723	16,594
Total Modified Direct Costs	90,030	93,184	96,446	279,660
Grad Assistant Tuition Remission as defined in budget notes	20,040	21,240	22,530	63,810
Total Direct Costs	110,070	114,424	118,976	343,470

Proposal 04-028-17-UP-00265-2001-AJD11 THIS IS A DRAFT BUDGET

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	08/01/2002 - 07/31/2003	08/01/2003 - 07/31/2004	08/01/2004 - 07/31/2005	TOTAL
INDIRECT COSTS	36,912	38,205	39,543	114,660
TOTAL PROJECT COSTS	146,982	152,629	158,519	458,130