SUMMARY YEAR 1
PROPOSAL BUDGET FOR NSF USE ONLY

PRUPUSAL DUDUI			FOI	1101		
ORGANIZATION		PRO	POSAL	NO.	DURATIO	ON (month
North Carolina State University					Proposed	Grante
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR		AWARD NO		Ο.		
Lubos Mitas						
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates	1	SF Funde erson-mos	d		Funds	Funds
(List each separately with title, A.7. show number in brackets)				Re	quested By proposer	granted by N (if different
,	_	ACAD				<u> </u>
1. Lubos Mitas - Prof		0.00			6,611	\$
2. Thomas G Drake - none		0.00			0	
3. Helena Mitasova - Dr		0.00			0	
4. Robert A St. Amant - Prof	0.00	0.00	0.00		0	
5.						
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00		0	
7. (4) TOTAL SENIOR PERSONNEL (1 - 6)		0.00			6,611	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)	0.00	0.00	1.00		0,011	
	0.00	0.00	Λ ΛΛ		0	
1. (0) POST DOCTORAL ASSOCIATES						
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	0.00	0.00	0.00		0	
3. (4) GRADUATE STUDENTS					72,000	
4. (0) UNDERGRADUATE STUDENTS					0	
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)					0	
6. (0) OTHER					0	
TOTAL SALARIES AND WAGES (A + B)					78,611	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					10,173	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					88,784	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEED)	VIC OF OO	0.)			00,704	
TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES	SSIONS)				<u>0</u> 5,000	
TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN	SSIONS)				5,000 0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0	SSIONS)				5,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 0	SSIONS)				5,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE	SSIONS)				5,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 0 0 0 0 0 0 0	SSIONS)				5,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER	,	COSTS			5,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART	,	COSTS			5,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS	,	COSTS			5,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES	,	COSTS			5,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION	,	COSTS			5,000 0 0 4,500 2,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES	,	COSTS			5,000 0 0 4,500 2,000 0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES	,	COSTS			5,000 0 4,500 2,000 0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS	,	COSTS			5,000 0 4,500 2,000 0 0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES	,	COSTS			5,000 0 4,500 2,000 0 0 12,664	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS	,	COSTS			5,000 0 4,500 2,000 0 0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS	,	COSTS			5,000 0 4,500 2,000 0 0 12,664	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G)	,	COSTS			5,000 0 4,500 2,000 0 0 12,664 19,164	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)	,	COSTS			5,000 0 4,500 2,000 0 0 12,664 19,164	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) II. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 100284)	,	COSTS			5,000 0 4,500 2,000 0 0 12,664 19,164 112,948	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) II. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 100284) TOTAL INDIRECT COSTS (F&A)	,	COSTS			5,000 0 4,500 2,000 0 0 12,664 19,164 112,948	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) II. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 100284) TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I)	ICIPANT				5,000 0 4,500 2,000 0 0 12,664 19,164 112,948 46,632 159,580	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 100284) TOTAL DIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS)	ICIPANT		.)		5,000 0 4,500 2,000 0 12,664 19,164 112,948 46,632 159,580 0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 100284) TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)	ICIPANT		.)		5,000 0 4,500 2,000 0 0 12,664 19,164 112,948 46,632 159,580	\$
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 100284) TOTAL DIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)	SEE GPO	G II.D.7.j			5,000 0 4,500 2,000 0 12,664 19,164 112,948 46,632 159,580 0	\$
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 100284) TOTAL DIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LEV	SEE GPO	G II.D.7.j	Т\$	\$	5,000 0 4,500 2,000 0 12,664 19,164 112,948 46,632 159,580 0	\$
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) II. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 100284) TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LEVEL PI / PD TYPED NAME & SIGNATURE* DATE	SEE GPO	G II.D.7.j	T\$ FOR N	\$ NSF U	5,000 0 4,500 2,000 0 0 12,664 19,164 112,948 46,632 159,580 0 159,580	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSES 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 100284) TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LEV	SEE GPC	G II.D.7.j	T \$ FOR I	\$ NSF U	5,000 0 4,500 2,000 0 0 12,664 19,164 112,948 46,632 159,580 0 159,580	

SUMMARY YEAR 2
PROPOSAL BUDGET FOR NSF USE ONLY

PRUPUSAL BUDU	<u> </u>		FUE			
ORGANIZATION		PRO	POSAL	NO.	DURATIO	ON (months
North Carolina State University					Proposed	Granted
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR		AWARD NO		Ο.		
Lubos Mitas						
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates	4	SF Funde erson-mos	d		Funds	Funds
(List each separately with title, A.7. show number in brackets)				Rec	quested By proposer	granted by NS (if different)
		ACAD				<u> </u>
1. Lubos Mitas - Prof		0.00			6,809	\$
2. Thomas G Drake - none		0.00			0	
3. Helena Mitasova - Dr		0.00			0	
4. Robert A St. Amant - Prof	0.00	0.00	0.00		0	
5.						
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE	0.00	0.00	0.00		0	
7. (4) TOTAL SENIOR PERSONNEL (1 - 6)		0.00			6,809	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)	0.00	0.00	1.00		0,002	
	0.00	0.00	Λ ΛΛ		0	
1. (0) POST DOCTORAL ASSOCIATES						
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	0.00	0.00	0.00		0	
3. (4) GRADUATE STUDENTS					74,160	
4. (0) UNDERGRADUATE STUDENTS					0	
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)					0	
6. (()) OTHER					0	
TOTAL SALARIES AND WAGES (A + B)					80,969	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					10,478	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					91,447	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEE	DINC &E OO	0.)			/1,77/	
TOTAL FOLIDMENT					<u> </u>	
TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. CANADA MEXICO AND LLS. POSS	ESSIONS				0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS	ESSIONS)				5,150	
	ESSIONS)					
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS	ESSIONS)				5,150	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 1. STIPENDS 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN 1. STIPENDS	ESSIONS)				5,150	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 0	ESSIONS)				5,150	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 0 0 0	ESSIONS)				5,150	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 0 0 0 0 0	ESSIONS)				5,150	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 0 0 0 0 0 0 0 0 0 0 0 0		00275			5,150	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS	ESSIONS)	COSTS			5,150	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS G. OTHER DIRECT COSTS		COSTS			5,150	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES		COSTS			5,150 0 0 4,635	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0) TOTAL PARTICIPANTS G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION		COSTS			5,150 0 0 4,635 2,060	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES		COSTS			5,150 0 4,635 2,060 0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0) TOTAL PARTICIPANTS (1) TOTAL PARTICIPANTS (1) TOTAL PARTICIPANTS (2) TOTAL PARTICIPANTS (2) TOTAL PARTICIPANTS (3) TOTAL PARTICIPANTS (3) TOTAL PARTICIPANTS (4) TOTAL PARTICIPANTS (5) TOTAL PARTICIPANTS (6) TOTAL PART		COSTS			5,150 0 0 4,635 2,060	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (1) TOTAL PART		COSTS			5,150 0 4,635 2,060 0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0) TOTAL PARTICIPANTS (1) TOTAL PARTICIPANTS (1) TOTAL PARTICIPANTS (2) PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES		COSTS			5,150 0 4,635 2,060 0 0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (1) TOTAL PARTICIPANTS (2) TOTAL PARTICIPANTS (3) TOTAL PARTICIPANTS (4) TOTAL PARTICIPANTS (5) TOTAL PARTICIPANTS (6) TOTAL PARTICIPANTS (7) TOTAL P		COSTS			5,150 0 4,635 2,060 0 0 13,044	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0) TOTAL PARTICIPANTS (1) TOTAL PARTICIPANTS (2) PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS		COSTS			5,150 0 4,635 2,060 0 0 13,044 19,739	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART		COSTS			5,150 0 4,635 2,060 0 0 13,044	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL P		COSTS			5,150 0 4,635 2,060 0 0 13,044 19,739	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICI		COSTS			5,150 0 4,635 2,060 0 0 13,044 19,739 116,336	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAI G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 103292) TOTAL INDIRECT COSTS (F&A)		COSTS			5,150 0 4,635 2,060 0 13,044 19,739 116,336	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAI G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) II. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 103292) TOTAL INDIRECT COSTS (F&A)		COSTS			5,150 0 4,635 2,060 0 0 13,044 19,739 116,336	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAI G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) II. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 103292) TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I)	RTICIPANT		.)		5,150 0 4,635 2,060 0 13,044 19,739 116,336	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARAGE OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 103292) TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECT)	RTICIPANT		.)		5,150 0 4,635 2,060 0 0 13,044 19,739 116,336 48,031 164,367 0	\$
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAI G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 103292) TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECT L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)	RTICIPANT	G II.D.7.j			5,150 0 4,635 2,060 0 13,044 19,739 116,336	\$
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 0. 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAIG G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 103292) TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECT L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING PROPOSED LEVEL\$ 0 AGREED L	RTICIPANT TS SEE GPC	G II.D.7.j	Т\$	\$	5,150 0 4,635 2,060 0 0 13,044 19,739 116,336 48,031 164,367 0 164,367	\$
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAI G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 103292) TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECT L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING PROPOSED LEVEL \$ 0 AGREED L PI / PD TYPED NAME & SIGNATURE* DATE	RTICIPANT TS SEE GPC	G II.D.7.j	T\$ FOR N	\$ NSF U	5,150 0 4,635 2,060 0 0 13,044 19,739 116,336 48,031 164,367 0 164,367	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 103292) TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECT L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING PROPOSED LEVEL 0 AGREED L	S SEE GPC	G II.D.7.j	T \$ FOR N	\$ NSF U	5,150 0 4,635 2,060 0 0 13,044 19,739 116,336 48,031 164,367 0 164,367	

SUMMARY PROPOSAL BUDGET

YEAR 3
FOR NSF USE ONLY

PROPOSAL BUDGET					IN NOT USE UNLY	
ORGANIZATION		PRO	POSAL	NO.	DURATIO	ON (months)
North Carolina State University					Proposed	Granted
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR		AW	/ARD N	Ο.		
Lubos Mitas		1				
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates		NSF Funde Person-mo	d	ı	Funds	Funds
(List each separately with title, A.7. show number in brackets)		ACAD		Req	uested By roposer	granted by NSI (if different)
1 Lubos Mitas - Prof		0.00			7,013	\$
						Ψ
2. Thomas G Drake - none		0.00			0	
3. Helena Mitasova - Dr		0.00			0	
4. Robert A St. Amant - Prof	0.00	0.00	0.00		0	
5.						
6. ($oldsymbol{0}$) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00		0	
7. (4) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	0.00	1.00		7,013	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1. (0) POST DOCTORAL ASSOCIATES	0.00	0.00	0.00		0	
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)		0.00			0	
3. (4) GRADUATE STUDENTS	0.00	0.00	0.00		76,385	
,						
4. (0) UNDERGRADUATE STUDENTS					0	
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)					0	
6. (0) OTHER					0	
TOTAL SALARIES AND WAGES (A + B)					83,398	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					10,792	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					94,190	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEED	ING \$5.00	00.)			, 1,1,0	
TOTAL EQUIPMENT					0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSE	ESSIONS)				5,304	
2. FOREIGN					0	
F. PARTICIPANT SUPPORT COSTS						
1. STIPENDS \$						
2. TRAVEL0						
3. SUBSISTENCE						
Λ						
4. OTHER					- 0	
TOTAL NUMBER OF PARTICIPANTS ($oldsymbol{0}$) TOTAL PAR	TICIPANT	COSTS			0	
G. OTHER DIRECT COSTS						
1. MATERIALS AND SUPPLIES					4,774	
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					2,122	
3. CONSULTANT SERVICES					0	
4. COMPUTER SERVICES		0				
					0	
5. SUBAWARDS						
6. OTHER					13,435	
TOTAL OTHER DIRECT COSTS					20,331	
H. TOTAL DIRECT COSTS (A THROUGH G)					119,825	
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)						
NCSU Indirec (Rate: 46.5000, Base: 106390)						
TOTAL INDIRECT COSTS (F&A)					49,471	
J. TOTAL INDIRECT AND INDIRECT COSTS (H + I)					169,296	
` '	e eee oo	CILDZ	1			
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS	S SEE GP	יוו ט.וו.ט./.]	.)	ф 1	<u>0</u>	<u></u>
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)				\$]	169,296	\$
M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LE	VEL IF D	IFFEREN	_			
PI / PD TYPED NAME & SIGNATURE* DATE			FOR N	NSF US	SE ONLY	
Lubos Mitas		INDIRE	CT COS	ST RAT	ΓΕ VERIFI	CATION
ORG. REP. TYPED NAME & SIGNATURE* DATE	Date	e Checked	Dat	e Of Rat	e Sheet	Initials - ORG
5						
NSF Form 1030 (10/99) Supersedes all previous editions 3*SIGNATUR		DED ON	V FOR	DEVICE	ED BUBGE	T (ODO III D

SUMMARY **Cumulative** PROPOSAL BUDGET FOR NSF USE ONLY **ORGANIZATION** PROPOSAL NO. **DURATION** (months) **North Carolina State University** Proposed Granted PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR AWARD NO. **Lubos Mitas** Funds Requested By proposer Funds granted by NSF (if different) NSF Funded Person-mos. A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets) CAL ACAD SUMR 0.00 | 0.00 | 3.00 | \$ 1. Lubos Mitas - Prof 20,433 | \$ 2. Thomas G Drake - none 0.00 | 0.00 | 0.00 0 3. Helena Mitasova - Dr 0.00 | 0.00 | 0.00 0 4. Robert A St. Amant - Prof 0.00 | 0.00 | 0.00 0 0.00 | 0.00 | 0.00) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 0 6. (7. (**4**) TOTAL SENIOR PERSONNEL (1 - 6) 0.00 | 0.00 | 3.00 20,433 B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 0.00 | 0.00 | 0.00 0 1. (**0**) POST DOCTORAL ASSOCIATES 2. (**0**) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 0.00 0.00 0.00 0 222,545 3. (12) GRADUATE STUDENTS 4. (**0**) UNDERGRADUATE STUDENTS 0 5. (**()**) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 0 0 6. (**0**) OTHER 242,978 TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) 31,443 TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) 274,421 D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.) **TOTAL EQUIPMENT** 0 E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS) 15,454 2. FOREIGN 0 F. PARTICIPANT SUPPORT COSTS 0 1. STIPENDS 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER TOTAL NUMBER OF PARTICIPANTS 0) TOTAL PARTICIPANT COSTS 0 G. OTHER DIRECT COSTS 13,909 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 6,182 0 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 0 0 5. SUBAWARDS 6. OTHER 39,143 59,234 TOTAL OTHER DIRECT COSTS **349,109** H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) 144,134 TOTAL INDIRECT COSTS (F&A) 493,243 J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.) 0 493,243 | \$ L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)

M. COST SHARING PROPOSED LEVEL \$	AGREED LEVEL	IF DIFFERENT \$			
PI / PD TYPED NAME & SIGNATURE*	DATE	FOR NSF USE ONLY			
Lubos Mitas		INDIRECT COST RATE VERIFICATION			
ORG. REP. TYPED NAME & SIGNATURE*	DATE	Date Checked	Date Of Rate Sheet	Initials - ORG	

Budget Justification Page

Budget covers one month of summer salary of PI and four Graduate Research Assistants together with travel and materials cost funds. Note that the GRA tuitions are not counted to the base for the indirect cost.						