

SUMMARY PROPOSAL BUDGET YEAR 1

ORGANIZATION North Carolina State University				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (months)		
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Lubos Mitas				AWARD NO.	Proposed	Granted	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-mos.		Funds Requested By proposer	Funds granted by NSF (if different)
	CAL	ACAD	SUMR				
1. Lubos Mitas - Prof	0.00	0.00	1.00	\$ 6,611			
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			
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	0.00	1.00	6,611			
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	0.00	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 EXCEEDING \$5,000.)							
TOTAL EQUIPMENT				0			
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)				5,000			
2. FOREIGN				0			
F. PARTICIPANT SUPPORT COSTS							
1. STIPENDS \$ _____				0			
2. TRAVEL _____				0			
3. SUBSISTENCE _____				0			
4. OTHER _____				0			
TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANT COSTS				0			
G. OTHER DIRECT COSTS							
1. MATERIALS AND SUPPLIES				4,500			
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				2,000			
3. CONSULTANT SERVICES				0			
4. COMPUTER SERVICES				0			
5. SUBAWARDS				0			
6. OTHER				12,664			
TOTAL OTHER DIRECT COSTS				19,164			
H. TOTAL DIRECT COSTS (A THROUGH G)				112,948			
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 100284)							
TOTAL INDIRECT COSTS (F&A)				46,632			
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)				159,580			
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)				0			
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)				\$ 159,580	\$		
M. COST SHARING PROPOSED LEVEL \$ 0				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	

SUMMARY PROPOSAL BUDGET YEAR 2

ORGANIZATION North Carolina State University				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (months)		
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Lubos Mitas				AWARD NO.	Proposed	Granted	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-mos.		Funds Requested By proposer	Funds granted by NSF (if different)
	CAL	ACAD	SUMR				
1. Lubos Mitas - Prof	0.00	0.00	1.00	\$ 6,809			
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			
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	0.00	1.00	6,809			
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	0.00	0.00	0			
3. (4) GRADUATE STUDENTS				74,160			
4. (0) UNDERGRADUATE STUDENTS				0			
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				0			
6. (0) 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 EXCEEDING \$5,000.)							
TOTAL EQUIPMENT				0			
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)				5,150			
2. FOREIGN				0			
F. PARTICIPANT SUPPORT COSTS							
1. STIPENDS \$ _____				0			
2. TRAVEL _____				0			
3. SUBSISTENCE _____				0			
4. OTHER _____				0			
TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANT COSTS				0			
G. OTHER DIRECT COSTS							
1. MATERIALS AND SUPPLIES				4,635			
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				2,060			
3. CONSULTANT SERVICES				0			
4. COMPUTER SERVICES				0			
5. SUBAWARDS				0			
6. OTHER				13,044			
TOTAL OTHER DIRECT COSTS				19,739			
H. TOTAL DIRECT COSTS (A THROUGH G)				116,336			
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) NCSU Indirec (Rate: 46.5000, Base: 103292)							
TOTAL INDIRECT COSTS (F&A)				48,031			
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)				164,367			
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)				0			
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)				\$ 164,367	\$		
M. COST SHARING PROPOSED LEVEL \$ 0				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	

SUMMARY PROPOSAL BUDGET YEAR 3

ORGANIZATION North Carolina State University				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (months)		
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Lubos Mitas				AWARD NO.	Proposed	Granted	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-mos.		Funds Requested By proposer	Funds granted by NSF (if different)
	CAL	ACAD	SUMR				
1. Lubos Mitas - Prof	0.00	0.00	1.00	\$ 7,013			
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			
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	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	0.00	0.00	0			
3. (4) GRADUATE STUDENTS				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 EXCEEDING \$5,000.)							
TOTAL EQUIPMENT				0			
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)				5,304			
2. FOREIGN				0			
F. PARTICIPANT SUPPORT COSTS							
1. STIPENDS \$ _____				0			
2. TRAVEL _____				0			
3. SUBSISTENCE _____				0			
4. OTHER _____				0			
TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANT 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			
5. SUBAWARDS				0			
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 DIRECT AND INDIRECT COSTS (H + I)				169,296			
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)				0			
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)				\$ 169,296	\$		
M. COST SHARING PROPOSED LEVEL \$ 0				AGREED LEVEL IF DIFFERENT \$			
PI / PD TYPED NAME & SIGNATURE*			DATE	FOR NSF USE ONLY			
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SUMMARY PROPOSAL BUDGET Cumulative

ORGANIZATION North Carolina State University				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (months)		
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Lubos Mitas				AWARD NO.			
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-mos.		Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR	
1. Lubos Mitas - Prof				0.00	0.00	3.00	\$ 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
5.							
6. () 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	3.00	20,433
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	0.00	0.00	0
3. (12) GRADUATE STUDENTS							222,545
4. (0) UNDERGRADUATE STUDENTS							0
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)							0
6. (0) OTHER							0
TOTAL SALARIES AND WAGES (A + B)							242,978
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							15,454
1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)							15,454
2. FOREIGN							0
F. PARTICIPANT SUPPORT COSTS							
1. STIPENDS \$ _____				0			
2. TRAVEL _____				0			
3. SUBSISTENCE _____				0			
4. OTHER _____				0			
TOTAL NUMBER OF PARTICIPANTS (0)							
TOTAL PARTICIPANT COSTS							0
G. OTHER DIRECT COSTS							
1. MATERIALS AND SUPPLIES							13,909
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							6,182
3. CONSULTANT SERVICES							0
4. COMPUTER SERVICES							0
5. SUBAWARDS							0
6. OTHER							39,143
TOTAL OTHER DIRECT COSTS							59,234
H. TOTAL DIRECT COSTS (A THROUGH G)							349,109
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)							
TOTAL INDIRECT COSTS (F&A)							144,134
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							493,243
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)							0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							\$ 493,243 \$
M. COST SHARING PROPOSED LEVEL \$ 0				AGREED LEVEL IF DIFFERENT \$			
PI / PD TYPED NAME & SIGNATURE*			DATE	FOR NSF USE ONLY			
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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.
