

**SUMMARY  
PROPOSAL BUDGET**

**Year One**

ORGANIZATION Syracuse University				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (MONTHS)		
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Edward Lipson, Professor				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.	Edward Lipson, Professor		2		16,615		
2.	Geoffrey Fox, Professor, NPAC Director						
3.	Dave Warner, MD, Nason Fellow	1			4,781		
4.							
5.							
6.	( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)						
7.	( 3 ) TOTAL SENIOR PERSONNEL (1-6)					21,395	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1.	( ) POST DOCTORAL ASSOCIATES						
2.	( ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)						
3.	( 2 ) GRADUATE STUDENTS					21,000	
4.	( ) UNDERGRADUATE STUDENTS						
5.	( ) SECRETARIAL CLERICAL						
6.	( ) OTHER						
TOTAL SALARIES AND WAGES (A+B)						42,395	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COST 30% of A+B.1+B.2+B.5+B.6 & 5% of B.3 & 20% of B.4)						6,818	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)						49,213	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
computers							
TOTAL EQUIPMENT						5,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)						4,000	
2. FOREIGN							
F. PARTICIPANT SUPPORT COSTS							
1.	STIPENDS	\$					
2.	TRAVEL	\$					
3.	SUBSISTENCE	\$					
4.	OTHER	\$					
( ) TOTAL PARTICIPANT COSTS							
G. OTHER DIRECT COSTS							
1.	MATERIALS AND SUPPLIES					5,000	
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					2,000	
3.	CONSULTANT SERVICES					15,000	
4.	COMPUTER (ADPE) SERVICES						
5.	SUBCONTRACTS						
6.	OTHER					15,696	
TOTAL OTHER DIRECT COSTS						37,696	
H. TOTAL DIRECT COSTS (A THROUGH G)						95,909	
I. INDIRECT COSTS (SPECIFY RATE AND BASE) Base = 78,213							
54.30% of A+B+C+E+G.1+G.2+G.3+G.4+G.5 (1st \$25,000)+G.6							
TOTAL INDIRECT COSTS						42,470	
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)						138,379	
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)							
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)						\$ 138,379	\$
M. COST SHARING: PROPOSED LEVEL \$				AGREED LEVEL IF DIFFERENT: \$			
PI/PD TYPED NAME & SIGNATURE *			DATE	FOR NSF USE ONLY			
				INDIRECT COST RATE VERIFICATION			
INST. REP. TYPED NAME & SIGNATURE *			DATE	Date Checked	Date of Rate Sheet	Initials - ORG	

**SUMMARY  
PROPOSAL BUDGET**

**Year Two**

ORGANIZATION Syracuse University				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (MONTHS)		
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Edward Lipson, Professor				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	Edward Lipson, Professor			2	17,279		
2.	Geoffrey Fox, Professor, NPAC Director						
3.	Dave Warner, MD, Nason Fellow	1			4,972		
4.							
5.							
6.	( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)						
7.	( ) TOTAL SENIOR PERSONNEL (1-6)	1		2	22,251		
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1.	( ) POST DOCTORAL ASSOCIATES						
2.	( ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)						
3.	( 2 ) GRADUATE STUDENTS				21,840		
4.	( ) UNDERGRADUATE STUDENTS						
5.	( ) SECRETARIAL CLERICAL						
6.	( ) OTHER						
TOTAL SALARIES AND WAGES (A+B)						44,091	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COST 30.5% of A+B.1+B.2+B.5+B.6 & 8% of B.3 & 20.5% of B.4)						7,090	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)						51,182	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
TOTAL EQUIPMENT						5,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)						4,160	
2. FOREIGN							
F. PARTICIPANT SUPPORT COSTS							
1.	STIPENDS \$ _____						
2.	TRAVEL _____						
3.	SUBSISTENCE _____						
4.	OTHER _____						
( ) TOTAL PARTICIPANT COSTS							
G. OTHER DIRECT COSTS							
1.	MATERIALS AND SUPPLIES					5,200	
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					2,080	
3.	CONSULTANT SERVICES					15,600	
4.	COMPUTER (ADPE) SERVICES						
5.	SUBCONTRACTS						
6.	OTHER					16,324	
TOTAL OTHER DIRECT COSTS						37,696	
H. TOTAL DIRECT COSTS (A THROUGH G)						99,545	
I. INDIRECT COSTS (SPECIFY RATE AND BASE) Base = 81,342							
54.30% of A+B+C+E+G.1+G.2+G.3+G.4+G.5 (1st \$25,000)+G.6							
TOTAL INDIRECT COSTS						44,169	
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)						143,714	
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)							
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)						\$ 143,714	\$
M. COST SHARING: PROPOSED LEVEL \$				AGREED LEVEL IF DIFFERENT: \$			
PI/PD TYPED NAME & SIGNATURE *		DATE		FOR NSF USE ONLY			
				INDIRECT COST RATE VERIFICATION			
INST. REP. TYPED NAME & SIGNATURE *		DATE		Date Checked		Date of Rate Sheet	Initials - ORG

NSF Form 1030 (7/ Supersedes All Previous Editions

\*SIGNATURES REQUIRED ONLY FOR REVISED BUDGET (GPG III.B)

**SUMMARY**

**Year Three**

**PROPOSAL BUDGET**

ORGANIZATION Syracuse University				FOR NSF USE ONLY				
				PROPOSAL NO.	DURATION (MONTHS)			
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Edward Lipson, Professor				AWARD NO.	Proposed	Granted		
(List each separately with title, A.7. show number in brackets)				Person-mos.		Requested By Proposer	Granted By NSF (If Different)	
				CAL	ACAD			SUMR
1	Edward Lipson, Professor					2	17,970	
2.	Geoffrey Fox, Professor, NPAC Director							
3.	Dave Warner, MD, Nason Fellow			1			5,171	
4.								
5.								
6.	( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)							
7.	( ) TOTAL SENIOR PERSONNEL (1-6)			1		2	23,141	
<b>B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)</b>								
1. ( ) POST DOCTORAL ASSOCIATES								
2. ( ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)								
3. ( 2 ) GRADUATE STUDENTS							22,714	
4. ( ) UNDERGRADUATE STUDENTS								
5. ( ) SECRETARIAL CLERICAL								
6. ( ) OTHER								
TOTAL SALARIES AND WAGES (A+B)							45,855	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COST 31% of A+B.1+B.2+B.5+B.6 & 10% of B.3 & 21% of B.4)							7,374	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)							53,229	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)								
TOTAL EQUIPMENT							5,000	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)							4,326	
2. FOREIGN								
F. PARTICIPANT SUPPORT COSTS								
1. STIPENDS \$ _____								
2. TRAVEL \$ _____								
3. SUBSISTENCE \$ _____								
4. OTHER \$ _____								
( ) TOTAL PARTICIPANT COSTS								
G. OTHER DIRECT COSTS								
1. MATERIALS AND SUPPLIES							5,408	
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							2,163	
3. CONSULTANT SERVICES							16,224	
4. COMPUTER (ADPE) SERVICES								
5. SUBCONTRACTS								
6. OTHER							16,977	
TOTAL OTHER DIRECT COSTS							40,772	
H. TOTAL DIRECT COSTS (A THROUGH G)							103,327	
I. INDIRECT COSTS (SPECIFY RATE AND BASE) Base = 84,595								
54.30% of A+B+C+E+G.1+G.2+G.3+G.4+G.5 (1st \$25,000)+G.6								
TOTAL INDIRECT COSTS							45,935	
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)							149,263	
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)								
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							\$ 149,263	\$
M. COST SHARING: PROPOSED LEVEL \$				AGREED LEVEL IF DIFFERENT: \$				
PI/PD TYPED NAME & SIGNATURE *			DATE	<b>FOR NSF USE ONLY</b>				
				INDIRECT COST RATE VERIFICATION				
				Date Checked	Date of Rate Sheet	Initials - ORG		
INST. REP. TYPED NAME & SIGNATURE *			DATE					

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**SUMMARY  
PROPOSAL BUDGET**

**Total Project**

ORGANIZATION		FOR NSF USE ONLY	
		PROPOSAL NO.	DURATION (MONTHS)

Syracuse University			Proposed	Granted	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Edward Lipson, Professor			AWARD NO.		
(List each separately with title, A.6. show number in brackets)			Person-mos.		
			CAL	ACAD	
			SUMR		
Requested By Proposer			Granted By NSF (If Different)		
1	Edward Lipson, Professor			6	51,864
2.	Geoffrey Fox, Professor, NPAC Director				
3.	Dave Warner, MD, Nason Fellow	3			14,924
4.					
5.					
6.	( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)				
7.	( ) TOTAL SENIOR PERSONNEL (1-6)	3		6	66,788
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. ( ) POST DOCTORAL ASSOCIATES					
2. ( ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)					
3. ( 2 ) GRADUATE STUDENTS			65,554		
4. ( ) UNDERGRADUATE STUDENTS					
5. ( ) SECRETARIAL CLERICAL					
6. ( ) OTHER					
TOTAL SALARIES AND WAGES (A+B)			132,342		
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)			21,282		
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)			153,624		
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)					
TOTAL EQUIPMENT			15,000		
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)			12,486		
2. FOREIGN					
F. PARTICIPANT SUPPORT COSTS					
1. STIPENDS \$ _____					
2. TRAVEL \$ _____					
3. SUBSISTENCE \$ _____					
4. OTHER \$ _____					
( ) TOTAL PARTICIPANT COSTS					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES			15,608		
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION			6,243		
3. CONSULTANT SERVICES			46,824		
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER			48,997		
TOTAL OTHER DIRECT COSTS			117,672		
H. TOTAL DIRECT COSTS (A THROUGH G)			298,782		
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
TOTAL INDIRECT COSTS			132,573		
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)			431,355		
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)					
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)			\$ 431,355 \$		
M. COST SHARING: PROPOSED LEVEL \$			AGREED LEVEL IF DIFFERENT: \$		
PI/PD TYPED NAME & SIGNATURE *		DATE	FOR NSF USE ONLY		
			INDIRECT COST RATE VERIFICATION		
INST. REP. TYPED NAME & SIGNATURE *		DATE	Date Checked	Date of Rate Sheet	Initials - ORG