



# SUMMARY PROPOSAL BUDGET

YEAR 1

ORGANIZATION <b>NSF</b>				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (months)		
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR <b>Fedick Scott</b>				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-months		Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR	
1. <b>Fedick Scott - CTO</b>				2.00	0.00	0.00	\$ 17,333
2.							
3.							
4.							
5.							
6. ( 0 ) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)				0.00	0.00	0.00	0
7. ( 1 ) TOTAL SENIOR PERSONNEL (1 - 6)				2.00	0.00	0.00	17,333
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1. ( 0 ) POST DOCTORAL ASSOCIATES				0.00	0.00	0.00	0
2. ( 2 ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)				4.00	0.00	0.00	17,333
3. ( 0 ) GRADUATE STUDENTS							0
4. ( 0 ) UNDERGRADUATE STUDENTS							0
5. ( 0 ) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)							0
6. ( 0 ) OTHER							0
TOTAL SALARIES AND WAGES (A + B)							34,666
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							6,000
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							40,666
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
high performance server \$ 6,500							
miniature spectrometer 7,500							
TOTAL EQUIPMENT							14,000
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)							4,000
2. FOREIGN							0
F. PARTICIPANT SUPPORT COSTS							
1. STIPENDS \$ 0							
2. TRAVEL 0							
3. SUBSISTENCE 0							
4. OTHER 0							
( 0 ) TOTAL PARTICIPANT COSTS							0
G. OTHER DIRECT COSTS							
1. MATERIALS AND SUPPLIES							3,500
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							0
3. CONSULTANT SERVICES							1,114
4. COMPUTER SERVICES							0
5. SUBAWARDS							20,000
6. OTHER							2,000
TOTAL OTHER DIRECT COSTS							26,614
H. TOTAL DIRECT COSTS (A THROUGH G)							85,280
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)							
Salaries and Fringes (Rate: 35.0000, Base: 34666)							
TOTAL INDIRECT COSTS (F&A)							12,133
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							97,413
K. FEE (IF REQUESTED MAXIMUM = 7% OF J )							2,587
L. TOTAL COST AND FEE (J + K)							\$ 100,000 \$
PI/PD NAME <b>Fedick Scott</b>				FOR NSF USE ONLY			
ORG. REP. NAME*				INDIRECT COST RATE VERIFICATION			
				Date Checked	Date Of Rate Sheet	Initials - ORG	

1 \*ELECTRONIC SIGNATURES REQUIRED ONLY FOR REVISED BUDGET

# SUMMARY PROPOSAL BUDGET

Cumulative

ORGANIZATION <b>NSF</b>				FOR NSF USE ONLY			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR <b>Fedick Scott</b>				PROPOSAL NO.	DURATION (months)		
				AWARD NO.	Proposed	Granted	
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	CAL	ACAD	SUMR				
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2.							
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6. ( ) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00	0			
7. ( <b>1</b> ) TOTAL SENIOR PERSONNEL (1 - 6)	2.00	0.00	0.00	17,333			
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1. ( <b>0</b> ) POST DOCTORAL ASSOCIATES	0.00	0.00	0.00	0			
2. ( <b>2</b> ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	4.00	0.00	0.00	17,333			
3. ( <b>0</b> ) GRADUATE STUDENTS				0			
4. ( <b>0</b> ) UNDERGRADUATE STUDENTS				0			
5. ( <b>0</b> ) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				0			
6. ( <b>0</b> ) OTHER				0			
TOTAL SALARIES AND WAGES (A + B)				34,666			
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				6,000			
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)				40,666			
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
			\$ 14,000				
TOTAL EQUIPMENT				14,000			
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)				4,000			
2. FOREIGN				0			
F. PARTICIPANT SUPPORT COSTS							
1. STIPENDS \$			0				
2. TRAVEL			0				
3. SUBSISTENCE			0				
4. OTHER			0				
( <b>0</b> ) TOTAL PARTICIPANT COSTS				0			
G. OTHER DIRECT COSTS							
1. MATERIALS AND SUPPLIES				3,500			
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PI/PD NAME <b>Fedick Scott</b>				FOR NSF USE ONLY			
ORG. REP. NAME*				INDIRECT COST RATE VERIFICATION			
				Date Checked	Date Of Rate Sheet	Initials - ORG	

C\*ELECTRONIC SIGNATURES REQUIRED ONLY FOR REVISED BUDGET

## Budget Justification Page

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### A.1.

Dr. Terry Demo, Chief Technical Officer, will work two person-months on the project at an hourly rate of \$50/hr.

$2 \text{ months} * 173.33\text{hrs/month} * \$50/\text{hr} = \$17,333$

### B.2.

Two other personnel will work on the project.

1 technician

$2 \text{ months} * 173.33\text{hrs/month} * \$25/\text{hr} = \$8,666.50$

1 programmer

$2 \text{ months} * 173.33\text{hrs/month} * \$25/\text{hr} = \$8,666.50$

### C. Fringe Benefits

A total of \$6,000 is requested to cover fringe benefits.

\$4,000 for medical benefits

\$2,000 for dental and vision

An average cost of a \$1,000/month person.

### D. Equipment

A high performance server is needed to carry out complex systems simulations. Readily available commercial offerings of servers do not have the speed and capability to carry out the multiple calculations.

High Performance Server	\$6,500
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Miniature Spectrometer	\$7,500
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There is only one vendor for the Miniature Spectrometer.

There were three vendors for the High Performance Server.

Price quotes for both pieces of equipment are included in this proposal.

### E. Travel

Dr. Demo will travel to the Grantees Workshop.

Estimated cost is \$2,000.

The Product Manager will also attend the workshop.

Estimated cost is \$2,000.

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## Budget Justification Page

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Total from this award is \$4,000 for the workshop.

VP of Engineering will also attend with the company covering the travel expenses.

### G.1. Materials and Supplies

Materials/Supplies	Cost/unit	Units	Cost
Hg source	\$500/unit	1 unit	\$500.00
Chemical Samples	\$300/unit	3 units	\$900.00
Chemical Sensors	\$700/unit	3 units	\$2,100.00
			\$3,500.00

Price quotes are included in the proposal package.

### G.3. Consultant Services

Dr. I. D. Snow will be our consultant. She will work for two days at the maximum rate of \$557/day.

2 days \* \$557 = \$1,114

Copy of the signed letter from Dr. Snow are included in the proposal package.

### G.5. Subawards

One subaward has been reached with Virginia Commonwealth University.

Signed Technology Agreement is attached to the proposal package.

Subaward for \$20,000.

### G.6 Other

NRH, Non Radiative Holders, Inc. will manufacture to sample holders for \$1,000 each.

2 sample holders \* \$100/unit = \$2,000

### I. Indirect

The indirect rate for this project is 35% and for the salaries and wages totaling \$34,666.

\$34,666 \* 35% = \$12,133

### K. Fee

The fee is the difference between \$100,000 and \$97,413 since using the full 7% will exceed the \$100, for this proposal.

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## Budget Justification Page

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Fee = \$2,587

Copy of signed agreement is included.

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