Proposal:**INCITE Ultra - New Protocols, Tools, Security, and Testbeds for Ultra High-Speed Networking**

DOE F 4620.1 | **U.S. Department of Energy** | OMB Control No.

(04-93) | **Budget Page** | 1910-1400

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FY2004

ORGANIZATION Stanford Linear Accelerator Center				**Budget Page No:** 1	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR R. Les. Cottrell				Requested Duration: 12 (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)	DOE Funded Person-mos.			Funds Requested	Funds Granted
	CAL	ACAD	SUMR	by Applpicant	by DOE
1. R. Les Cottrell	1.00	0.00	0.00	$12,084	
2. Jiri Navratil	10.00	0.00	0.00	$75,000	
3.	0.00	0.00	0.00	$0	
4.	0.00	0.00	0.00	$0	
5.	0.00	0.00	0.00	$0	
6. ( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. (2) TOTAL SENIOR PERSONNEL (1-6)	11.00	0.00	0.00	$87,084	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. ( ) POST DOCTORAL ASSOCIATES	0.00			$0	
2. (0) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)	0.00			$0	
3. (1) GRADUATE STUDENTS		0.00	3.00	$13,200	
4. (0) UNDERGRADUATE STUDENTS		0.00		$0	
5. (0) SECRETARIAL - CLERICAL	0.00			$0	
6. ( ) OTHER					
TOTAL SALARIES AND WAGES (A+B)				$100,284	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				$25,716	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)				$126,000	
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT				$0	
E. TRAVEL — 1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)				$6,000	
2. FOREIGN				$3,500	
TOTAL TRAVEL				$9,500	
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)				$0	
2. TUITION & FEES				$0	
3. TRAINEE TRAVEL				$0	
4. OTHER (fully explain on justification page)				$0	
TOTAL PARTICIPANTS (0) TOTAL COST				$0	
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				$0	
3. CONSULTANT SERVICES				$0	
4. COMPUTER (ADPE) SERVICES				$0	
5. SUBCONTRACTS				$0	
6. OTHER (Graduate-Student tuition)				$15,600	
TOTAL OTHER DIRECT COSTS				$15,600	
H. TOTAL DIRECT COSTS (A THROUGH G)				$151,100	
I. INDIRECT COSTS (SPECIFY RATE AND BASE) 36% on labor and travel 6.8% on M&S					
TOTAL INDIRECT COSTS				$48,780	
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)				$199,880	
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES				$0	
L. TOTAL COST OF PROJECT (J+K)				$199,880	

Inflation	3.000%

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FY2005

ORGANIZATION Stanford Linear Accelerator Center				**Budget Page No:** 2	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR R. Les Cottrell				Requested Duration: 12 (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)	DOE Funded Person-mos.			Funds Requested	Funds Granted
	CAL	ACAD	SUMR	by Applpicant	by DOE
1. R. Les Cottrell	1.00	0.00	0.00	$12,447	
2. Jiri Navratil	10.00	0.00	0.00	$77,250	
3.	0.00	0.00	0.00	$0	
4.		0.00	0.00	$0	
5.		0.00	0.00	$0	
6. ( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. (2) TOTAL SENIOR PERSONNEL (1-6)	11.00	0.00	0.00	$89,697	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. (0) POST DOCTORAL ASSOCIATES	0.00			$0	
2. (0) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)	0.00			$0	
3. (1) GRADUATE STUDENTS		0.00	3.00	$13,596	
4. (0) UNDERGRADUATE STUDENTS		0.00	0.00	$0	
5. (0) SECRETARIAL - CLERICAL	0.00			$0	
6. ( ) OTHER					
TOTAL SALARIES AND WAGES (A+B)				$103,293	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				$26,488	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)				$129,780	
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT				$0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)				$6,180	
2. FOREIGN				$3,605	
TOTAL TRAVEL				$9,785	
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)				$0	
2. TUITION & FEES				$0	
3. TRAINEE TRAVEL				$0	
4. OTHER (fully explain on justification page)				$0	
TOTAL PARTICIPANTS (0) TOTAL COST				$0	
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				$0	
3. CONSULTANT SERVICES				$0	
4. COMPUTER (ADPE) SERVICES				$0	
5. SUBCONTRACTS				$0	
6. OTHER (Graduate-Student tuition)				$16,068	
TOTAL OTHER DIRECT COSTS				$16,068	
H. TOTAL DIRECT COSTS (A THROUGH G)				$155,633	
I. INDIRECT COSTS (SPECIFY RATE AND BASE) 36% on labor and travel 6.8% on M&S					
TOTAL INDIRECT COSTS				$50,244	
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)				$205,877	
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES				$0	
L. TOTAL COST OF PROJECT (J+K)				$205,877	

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FY2006

ORGANIZATION: Stanford Linear Accelerator Center

Budget Page No: 3

PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR: R. Les Cottrell

Requested Duration: 12 (Months)

A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)	DOE Funded Person-mos. CAL	ACAD	SUMR	Funds Requested by Applpicant	Funds Granted by DOE
1. R. Les Cottrell	1.00	0.00	0.00	$12,882	
2. Jiri Navratil	10.00	0.00	0.00	$79,954	
3.	0.00	0.00	0.00	$0	
4.		0.00	0.00	$0	
5.		0.00	0.00	$0	
6. ( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. (2) TOTAL SENIOR PERSONNEL (1-6)	11.00	0.00	0.00	$92,836	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. (0) POST DOCTORAL ASSOCIATES	0.00			$0	
2. (0) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)	0.00			$0	
3. (1) GRADUATE STUDENTS		0.00	3.00	$14,004	
4. (0) UNDERGRADUATE STUDENTS		0.00	0.00	$0	
5. (0) SECRETARIAL - CLERICAL	0.00			$0	
6. ( ) OTHER					
TOTAL SALARIES AND WAGES (A+B)				$106,840	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				$27,413	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)				$134,252	
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT				$0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)				$6,365	
2. FOREIGN				$3,713	
TOTAL TRAVEL				$10,079	
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)				$0	
2. TUITION & FEES				$0	
3. TRAINEE TRAVEL				$0	
4. OTHER (fully explain on justification page)				$0	
TOTAL PARTICIPANTS (0) TOTAL COST				$0	
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				$0	
3. CONSULTANT SERVICES				$0	
4. COMPUTER (ADPE) SERVICES				$0	
5. SUBCONTRACTS				$0	
6. OTHER (Graduate-Student tuition)				$16,711	
TOTAL OTHER DIRECT COSTS				$16,711	
H. TOTAL DIRECT COSTS (A THROUGH G)				$161,042	
I. INDIRECT COSTS (SPECIFY RATE AND BASE) 36% on labor and travel 6.8% on M&S					
TOTAL INDIRECT COSTS				$51,959	
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)				$213,001	
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES				$0	
L. TOTAL COST OF PROJECT (J+K)				$213,001	

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FY2004-FY2006

ORGANIZATION: Stanford Linear Accelerator Center — **Budget Page No:** 4

PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR: R. Les Cottrell — Requested Duration: 36 (Months)

A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)	DOE Funded Person-mos. CAL	ACAD	SUMR	Funds Requested by Applpicant	Funds Granted by DOE
1. R. Les Cottrell	3.00	0.00	0.00	$37,413	
2. Jiri Navratil	30.00	0.00	0.00	$232,204	
3.	0.00	0.00	0.00	$0	
4.		0.00	0.00	$0	
5.		0.00	0.00	$0	
6. ( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. (2) TOTAL SENIOR PERSONNEL (1-6)	33.00	0.00	0.00	$269,616	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. (0) POST DOCTORAL ASSOCIATES	0.00			$0	
2. (0) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)	0.00			$0	
3. (1) GRADUATE STUDENTS		0.00	9.00	$40,800	
4. (0) UNDERGRADUATE STUDENTS		0.00	0.00	$0	
5. (0) SECRETARIAL - CLERICAL	0.00			$0	
6. ( ) OTHER					
TOTAL SALARIES AND WAGES (A+B)				$310,416	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				$79,617	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)				$390,033	
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT				$0	
E. TRAVEL — 1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)				$18,360	
2. FOREIGN				$10,710	
TOTAL TRAVEL				$19,579	
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)				$0	
2. TUITION & FEES				$0	
3. TRAINEE TRAVEL				$0	
4. OTHER (fully explain on justification page)				$0	
TOTAL PARTICIPANTS (0) TOTAL COST				$0	
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES				$0	
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				$0	
3. CONSULTANT SERVICES				$0	
4. COMPUTER (ADPE) SERVICES				$0	
5. SUBCONTRACTS				$0	
6. OTHER (Graduate-Student tuition)				$48,379	
TOTAL OTHER DIRECT COSTS				$48,379	
H. TOTAL DIRECT COSTS (A THROUGH G)				$467,776	
I. INDIRECT COSTS (SPECIFY RATE AND BASE) 36% on labor and travel					
TOTAL INDIRECT COSTS 6.8% on M&S				$150,983	
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)				$618,758	
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES				$0	
L. TOTAL COST OF PROJECT (J+K)				$618,758	