

REPORT DOCUMENTATION PAGE			Form Approved OMB NO. 0704-0188		
<p>The public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA, 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.</p>					
1. REPORT DATE (DD-MM-YYYY)		2. REPORT TYPE		3. DATES COVERED (From - To)	
		Technical Report		-	
4. TITLE AND SUBTITLE			5a. CONTRACT NUMBER		
Foreign Trip Report Paris and Nice, France & Bari, Italy- Sept. 2013			W911NF-11-1-0297		
			5b. GRANT NUMBER		
			5c. PROGRAM ELEMENT NUMBER		
			611103		
6. AUTHORS			5d. PROJECT NUMBER		
Martin Richardson					
			5e. TASK NUMBER		
			5f. WORK UNIT NUMBER		
7. PERFORMING ORGANIZATION NAMES AND ADDRESSES			8. PERFORMING ORGANIZATION REPORT NUMBER		
University of Central Florida 12201 Research Parkway, Suite 501 Orlando, FL 32826 -3246					
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS (ES)			10. SPONSOR/MONITOR'S ACRONYM(S)		
U.S. Army Research Office P.O. Box 12211 Research Triangle Park, NC 27709-2211			ARO		
			11. SPONSOR/MONITOR'S REPORT NUMBER(S)		
			59727-PH-MUR.73		
12. DISTRIBUTION AVAILABILITY STATEMENT					
Approved for public release; distribution is unlimited.					
13. SUPPLEMENTARY NOTES					
The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other documentation.					
14. ABSTRACT					
This long foreign trip achieved multiple objectives – and was overshadowed by an event that was not predicted.					
15. SUBJECT TERMS					
Foreign trip, France, Italy					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	15. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT	b. ABSTRACT	c. THIS PAGE			Martin Richardson
UU	UU	UU	UU		19b. TELEPHONE NUMBER
					407-823-6819

Report Title

Foreign Trip Report Paris and Nice, France & Bari, Italy- Sept. 2013

ABSTRACT

This long foreign trip achieved multiple objectives – and was overshadowed by an event that was not predicted.

Foreign Trip Report

Paris and Nice, France & Bari, Italy- Sept. 2013

This long foreign trip achieved multiple objectives – and was overshadowed by an event that was not predicted.

The primary two purposes of the trip were:

1. To participate in the first annual symposium of the LAPHIA Photonics Consortium in Bordeaux. (Aug 29-Sept 5, 2013)
2. To present an invited paper at the EMSLIBS conference in Bari, Italy Sept 15-20, 2013). The invited paper was on the subject of advanced methods of LIBS stand-off detection. This had been the central theme of the first ARO MURI we were awarded (2005 -2012, on femtosecond laser-induced breakdown spectroscopy science). We still have a strong continuing program in this area.

Since there was a week space between these two meetings, I planned several additional visits. The costs for these visits were covered by multiple funding sources, including my own personal funds. These visits were:

1. A visit Sept 9th to the laboratories of ASML in Eindhoven, Netherlands, to discuss details of EUV source generation for advanced lithography. LPL has a funded program in this area.
2. A visit Sept. 10th, and seminar at the FOM and now DIFFER group in Amsterdam to discuss advanced X-ray and EUV optics and source issues. A new collaboration came out of these discussions.
3. A visit to the laboratories of Dr Firouz Darroudi Sept 11th, a world expert in cancer diagnosis and therapy. We have been planning a joint program on laser-applications in this area for some time.
4. Participating in the opening celebrations for the Zepler Institute at the University of Southampton in the UK, Sept 12-13th. The Zepler Institute is a large new investment in advanced photonic fiber development and nanoscience, headed by Sir David Payne.

In addition to attending these conferences and meetings, I took a small amount of personal time off (Aug 23-28th) in France.

The trip was arranged through Nice to ensure the lowest cross-Atlantic flights.

One additional even occurred on this trip that was not scheduled. On the first day of my attendance of the LAPHIA meeting in Bordeaux, my briefcase containing my passport, keys, computer, money, etc, was stolen on a streetcar to the University. This necessitated me to make numerous reports to the police etc, and to make a special trip to the U.S. embassy in Paris to obtain a new temporary passport. Eventually the police found my briefcase a month later, but the computer and money were missing.