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**Conference on Diophantine  $m$ -tuples and related problems**

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— THURSDAY, 13 November, 2014 —

All the talks will take place in LSF 02

09:45-09:55	A. TOGBÉ	Welcome and Announcements
	<b>Moderator</b>	<b>Prof. A. Berczes</b>
10:00-10:50	Y. FUJITA	Diophantine quintuples: Bounds on the elements and the number
10:55-11:05	Break	
11:10-11:30	B. HE	On Diophantine quintuple conjecture
11:35-11:55	Z. FRANUSIĆ	A method of constructing Diophantine quadruples in some number fields
12:00-12:20	E. GOINS	There exist infinitely many rational Diophantine 6-tuples – almost
12:25-12:45	G. GROSSMAN	On Diophantine triples
1:00- 2:30	Lunch	LSF 170 A
	<b>Moderator</b>	<b>Prof. G. Grossman</b>
3:00-3:50	F. LUCA	Diophantine $m$ -tuples with values in linear recurrences
3:55-4:05	Break	
4:10-4:30	L. SZALAY	Linear recurrences $u_n = Au_{n-1} - u_{n-2}$ and Diophantine tuples
4:35-4:55	V. ZIEGLER	On $S$ -Diophantine $m$ -tuples
5:00-5:20	J. ROBERTSON	Dujella's unicity conjecture – heuristics and other topics
6:00-8:30	Banquet	LSF 144

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November 13-15, 2014, Purdue University North Central, Westville, Indiana

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— FRIDAY, 14 November, 2014 —

All the talks will take place in LSF 02

	Moderator	Prof. F. Luca
10:00-10:50	A. FILIPIN	The extension of $D(4)$ -pair $\{k-2, k+2\}$
10:55-11:05	Break	
11:10-11:30	I. SOLDO	$D(-1)$ -triples of the form $\{1, b, c\}$ and their extensibility in the ring $\mathbb{Z}[\sqrt{-t}]$ , $t > 0$
11:35-11:55	I. PINK	On the Diophantine inequality $ X^2 + cXY^2 + Y^4  \leq c + 2$
12:00-12:20	B. JADRIJEVIĆ	$p$ -adic version of the index form equations in a parametric family of bicyclic biquadratic fields
12:30-1:30	Lunch	LSF 144
	Moderator	Prof. L. László
2:00-2:20	A. ALVARADO	On the Diophantine Equation $x^4 + y^4 + z^4 + t^4 = w^2$
2:25-2:45	H. ZHU	Jesmanowicz-Terai-Cao-Le conjecture and pure ternary exponential Diophantine equations
2:50-3:10	S. ÇENBERCI	On the solutions of the Diophantine equation $X^2 + B^m = Y^n$
3:15-3:30	Break	
3:35-3:55	S. BOUROUBI	An explicit formula and some new identities around balancing numbers
4:00-4:10	A. TOGBÉ	Closing remarks

— SATURDAY, 15 November, 2014 —

8:30 AM-8:30 PM	Visit of Chicago
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