PALOS VERDES PENENSULA NEWS

CRYPTO RUMP NEWS

Horris Center for the Performing Arts, 27570 Crossfield Drive in RHE, on Saturday, March 20 at 2 and 4 p.m. Tickets are \$38 for adults and \$19 for students for the evening performance and \$30 for adults and \$15 for students at the matiries performance. For reservations, call 544-0401.

 UPCOMING — The Pales Verdes Pecinsula Unified School District and Friends of School Mask host the 15th **Palos Verdes Elementary** Choral Festival on March 23, 24 and 25 at the Norris Center for the Performing Arts; 27570 Crossfield Drive in RHE All shows begin at 7:30 p.m. For tickets, call the Norrs box office at 544 0403.

 ONGOING --- The Distinctive Edge, 29050 5. Western Ave., Suite 113 in **RPV** continues "Third Time's a Charm," an exhibit of 5.0. collages by artist Steve Jacobsen, through March 30. For gallery hours, call 633-3613.

 ONGOING — "Natural Treasures" exhibition contin-

Breaking news in ecash: efficient & provably secure ecash implemented!

Two years ago, U.S. Navy personnel teacher and assistant director of the Kittyhewk, were torested to a race. The band has been playing the length

and their families assigned to the Orange County Symphony; and Mike Astugi Nevy base, home of the U.S.S. Tiffany, hass, a computer engineer.



Even though far from home, the ster at Glendale College: Kevin Weed, keyboards and bagpipes, music Astugi base - situated a few hours

from home, with its bash green rolling. landscape and its maltitude of cherry blouseen trees. "Yet," Florning says, 'our was struck by the constitutionst and dedication of one men and woman in uniform as they played their part in protecting and serving in an ever challenging and howile world."

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A couple of the families even took time out from their busy schedule to host Tirry and the band members. They treated thren to a guided toor of the base and accomparied them on a few exciting trips off the base, visiting beautiful ancient temples, monuments and rewred giant Buddas.

On a visit to downsown Tokyo, the hand came across what they assumed was a very rare sight, a place called "Scruffy Morphy," an Irish pub located in the heart of a brinking downtown. Upon checking the establishment out, they discovered a real authentic Irish Pub with encellent Guinness and good pub greb. It also happened to be open mic night, so the band members took over the stage

and expertained the locals for a few size-filled hours. It turned out that it was just one of many establishments in the city.

A special boral developed hetween the hand members and these families and already exchange visits have occurred when the same families were on lowe in the United States. 2

For more information about the Band. Inc www.benisfreemanic.com



Foteini Baldimtsi

Joint work with: Anna Lysyanskaya, Gesine Hinterwälder, Christian T. Zenger, Wayne P. Burleson, Christof Paar



Y

Cryptographic e-cash



Anonymous

State of the art

Chaum'81, Chaum'82, CFN'90, FY'93, Brands'93, CPS'94, FTY'96, Tsiounis'97, CHL'05,....

Brands'93: Most efficient, well known and widely implemented.



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Brands ecash cannot proven unforgeable under any assumption (including one-more type assumptions) using standard RO proof techniques [BL'12a]



Good News Everyone!

Efficient e-cash with attributes

"Anonymous Credentials Light" [BL'12b] \rightarrow ecash.

- Comparably efficient to Brands
- Provably secure in the RO model under the DDH assumption
- Allows the encoding of attributes



Performance Results



milliseconds

References

"**On the Security of One-Witness Blind Signature Schemes**", <u>Foteini Baldimtsi</u> and Anna Lysyanskaya, Cryptology ePrint Archive, Report 2012/197

"Anonymous Credentials Light", <u>Foteini Baldimtsi</u> and Anna Lysyanskaya, Cryptology ePrint Archive, Report 2012/298

"Efficient E-cash in Practice: NFC-based Payments for Intelligent Transportation Systems", Gesine Hinterwälder, Christian T. Zenger, <u>Foteini Baldimtsi</u>, Anna Lysyanskaya, Christof Paar and Wayne P. Burleson, Privacy Enhancing Technologies Symposium - PETS, 2013.

