Calypso
Networks Association

CALYPSO AWARDS

2017

OPEN SESSION
Cannes, 2017

A word from the President

Dear Guests,

I am delighted to welcome you to our traditional Calypso Open Session and this 5th Edition of the Calypso Awards ceremony.

Among many other indicators, what can testify to an association's good health? The answer is: "the growth of its membership". In 2017 Calypso Networks Association has welcomed more than 25 new members, reaching the number of 75. This interest in CNA from transport operators, authorities, consultants and providers coincides with the launch of the Calypso development plan. But this is not a coincidence. This plan will lead Calypso to be the reference in truly open ticketing, based on open-source solutions, suited to the new ticketing uses such as Mobile Ticketing, Account Based Ticketing, etc. This strategy of CNA, and its unique positioning as an exchange platform between users and providers, is widely responsible for this strong and renewed interest in Calypso.

On the other hand, the Calypso Awards ceremony is a unique opportunity to encourage R & D projects, and also to reward those people who work hard to create new ticketing solutions and products to improve travellers' experience. This year again, the selected projects reveal the diversity of ticketing solutions imagined by providers and operators, in order to better address their customers' new mobility needs : Mobility as a Service, Mobile Ticketing, Wearables for transportation, cross-border interoperability on a single media ...The imagination of CNA members to propose new services and innovations also demonstrates that the Calypso standard has the ability to adapt and be in line with new mobility and ticketing challenges.

I would like to take this opportunity to thank all the candidates for the quality of their proposals, the jury for their involvement and of course all of you for your loyalty to our annual event. I wish you a very pleasant evening here in Cannes.

Philippe Vappereau
Calypso Networks Association chairman

CALYPSO AWARDS CHALLENGE

AFTER A SUCCESSFUL PARTICIPATION AND A GREAT CEREMONY IN 2016, THE « CALYPSO AWARDS » WILL CONTINUE THIS YEAR.

The Association reward the actors of the market who contributed to the promotion and development of Calypso.

The Awards are open to all market participants, public or private, physical or legal persons involved in a project using the Calypso technology and not necessarily limited to the public transport sector.

This year, an unique Prize will be awarded.

THE JURY

Philippe Vappereau : chairman of CNA,
Erik Baele: Treasurer of CNA, ex-General manager at BMC,
Paulo Baretto: Calypso Expert, Embedded Systems and Ticketing Manager at OTLIS,
Isabelle St Louis et **René Coutu**: Société des Transports Montréalais - Winner of Best Innovation Award 2016,
Louis Brosse: Wizway Solutions – Winner of Best Customer Value Award 2016,
Jérôme Clauzure : Ticketing Expert, ex-Ticketing Mission Head at AFIMB.

HOPLINK FIRST IMPLEMENTATION

PROJECT DESCRIPTION : Thanks to the innovating solution Hoplink, Parkeon is the first industrial to simplify the life of public transport users and allow them to travel through various countries and several mobility contexts with one unique media.

Parkeon is the first industrial which implemented Hoplink on field, in Lille and in Starsbourg. Those two networks will be able to accept all other national and international card or mobile app with Hoplink inside. For instance, travelers from Belgium will be able to use their Mobib card to travel on the Transpole network. This innovation improves the interoperability based on Calypso secure standard. Before Hoplink, interoperability was really difficult to put in place, with a lot of integration and testing needed between 2 territories. If a network uses the Calypso technology, the Hoplink service can be added to the local ticketing application, allowing travellers to load on their own usual transport card up to 16 contracts from other networks which also belong to the Hoplink alliance.

BENEFITS FOR END USERS : Hoplink offers seamless travel to users of public transport, who can use their own usual transport card, not only on networks they are regularly using, but even on other networks they are occasionally travelling, nationally or internationally. With Hoplink, away with travel cards and tickets that clutter up bags and pockets, and get lost; travellers can merge all their tickets on one single card bearing the Hoplink logo.

PROJECT WEBSITE: www.parkeon.fr

Parkeon
Besançon / France
François Mottet
Fmottet@parkeon.com

NOMINEE

RAVKAVONLINE

PROJECT DESCRIPTION : Ravkavonline allows public transportation passengers to top up their smart card and profit from a full set of services, using a mobile app, a website or in one of ~3000 ATM machines across Israel.

Ravkavonline is a unique service that allows public transportation passengers to top up their Calypso public transportation smart card ("ravkav") using a mobile app, a website or in one of ~3000 ATM machines across Israel. Ravkavonline was the first solution to allow passengers to pay for public transportation with a credit card in Israel. In addition to topping up the card, Ravkavonline provides services that were historically provided only in service stations.
For example: - Renew student profile (eligible for discount) Cancel purchase and get a full refund - Convert stored value between special profiles- Additional ticketing solutions - Pick start date for seasonal contracts - starting tomorrow, next week - Dynamically select the amount of stored value to top up - Prepay using only the card serial number and reload from any other device - mobile, web or ATM (Ideal for parents and small businesses).

BENEFITS FOR END USERS : Pay with credit card - no need to go to the ATM for cash - Self-reliance and ease of mind - reload ahead of time - Accessible for all passenger types - elderly, youth, blind - Reduce travel costs by getting accurate and relevant information. Self-service – Offer a full set of services accessible in a distant mode with a unique card.

PROJECT WEBSITE : https://ravkavonline.co.il

PCENTRA
Tel Aviv / Israel
Benita Haki
haki@pcentra.com

SMARTWATCH CALYPSO HCE SOLUTION

PROJECT DESCRIPTION : PosteMobile implemented a solution to use Android Wear Smartwatch with Calypso HCE architecture, which can show how to validate a ticket with a smartwatch.

PosteMobile developed a fully compliant Calypso HCE Application running on an NFC smartwatch equipped with Android Wear 2.0.0 (i.e. LG Watch Urbane 2nd Ed W200E). A set of services allowing customers to buy a transportation ticket through their smartphone and to dematerialize it onto the smartwatch has also been developed and the smartwatch APP implements a user interface showing the main ticket data and allowing the enabling on contactless interface. Three different architectures are proposed to target different trade-off between transaction security and user-experience according to the transport provider requirements:

-SIM proxy solution. In this solution, the Calypso security algorithms and protocol are implemented by a Calypso Java Card Applet running on an UICC.

-HCE proxy solution. In this solution, the Calypso security algorithms (TDES only) and protocol are implemented by a Calypso HCE APP running on the Handset.

-Full HCE solution. In this solution, the Calypso security algorithms (TDES only) and protocol are implemented by a Calypso HCE APP running directly on the smartwatch.

BENEFITS FOR END USERS : The process to access gates on transport networks is now very fast. The customer does not need to find the smart card in his pocket or bag, and to badge it, but simply near his wrist and go. It makes an easier access to public transport.

PROJECT WEBSITE : www.postemobile.it

POSTEMOBILE
Roma / Italy
Francesco Fucci
francesco.fucci@postemobile.it

Best Innovation Award

2016
Winner : OPUS pour BIXI by STM
Nominees : Palmari Marinai by ACTV & Sharkey Wristband by Watchdata

2015
Winner : KorriGo by Rennes Metropole
Nominees : OPUS en ligne by STM & PCard+ by Interparking

2014
Winner : U'Go by CTS
Nominees : Titolo Integrato Campania by Card Project Srl and TER NFC Basse Normandie by Lower Normandy Region

2013
Winner : Morpho
Nominees : Watchdata,

Best Customer Value

2016
Winner : Wizway Solutions
Nominees : Calypso Pay-as-you-go by SIBS & Pass Pass Easy Card by Keolis Lille

2015
Winner : Celego Calypso G1 by Gemalto
Nominees : AMG by ADCET & Calypso HCE Application by Spirtech & HCE Mobipass by ASK

2014
Winner : VIVA Parking & VIVA Portal by CAR4BSYSTEMS S.A
Nominees : Android Mobile App for Calypso ticketing Lifecycle Management by PosteMobile & RAV-KAV Appby Mosko.mobi

2013
Winner : Rigaskarte
Nominees : SIA, 5T

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