IOTPAY

Decentralized Autonomous Payment System for IoT Devices

KPI advancement status

Stage 3 KPIs status

KPI #	Content	Stage	Status
1	Specification and use cases document delivery	3	100%
2	Software delivery – AccountRegistry Smart contract – 1st version	3	100%
3	Software delivery – SubscriptionRegistry Smart contract – 1st version	3	100%
4	Software delivery – Web App – 1st version	3	100%
5	Software delivery – Mobile App version of the Web App – 1st version	3	100%
6	Software delivery - IOT device POC software – 1st version	3	100%

Stage 4 KPIs status

KPI #	Content	Stage	Status
7	Software delivery – AccountRegistry Smart contract – Final working version	4	100%
8	Software delivery – SubscriptionRegistry Smart contract – Final working version	4	100%
9	Software delivery – Web App – Final working version	4	100%
10	Software delivery – Mobile App version of the Web App– Final working version	4	100%
11	Software delivery - IOT device POC software – Final working version	4	100%
12	Number of Twitter/X publications about the project (1/month – Total 9)	4	100%

Stage 4 KPIs status

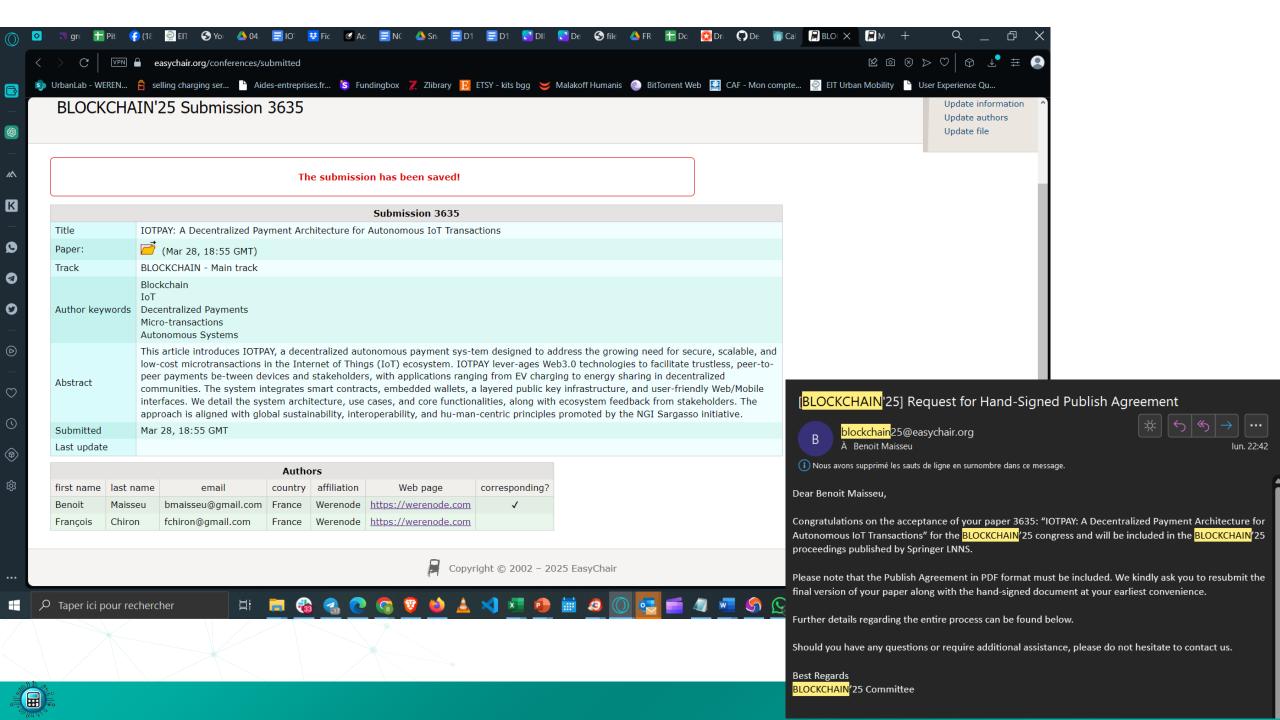| KPI #	Content	Stage	Status
13	Number of LinkedIn posts about the project (1/stage – Total 4)	4	100%
14	Number of Website updates about the project (1/stage – Total 4)	4	100%
15	Video demonstration realized and published	4	100%
16	Article written and submitted for a conference (1)	4	100%
17	Software and its documentation available on github	4	100%

Annex

BLOCKCHAIN'25 Submission 3635

The submission has been saved!

	Submission 3635
Title	IOTPAY: A Decentralized Payment Architecture for Autonomous IoT Transactions
Paper:	(Mar 28, 18:55 GMT)
Track	BLOCKCHAIN - Main track
Author keywords	Blockchain IoT Decentralized Payments Micro-transactions Autonomous Systems
Abstract	This article introduces IOTPAY, a decentralized autonomous payment sys-tem designed to address the growing need for secure, scalable, and low-cost microtransactions in the Internet of Things (IoT) ecosystem. IOTPAY lever-ages Web3.0 technologies to facilitate trustless, peer-to-peer payments be-tween devices and stakeholders, with applications ranging from EV charging to energy sharing in decentralized communities. The system integrates smart contracts, embedded wallets, a layered public key infrastructure, and user-friendly Web/Mobile interfaces. We detail the system architecture, use cases, and core functionalities, along with ecosystem feedback from stakeholders. The approach is aligned with global sustainability, interoperability, and hu-man-centric principles promoted by the NGI Sargasso initiative.
Submitted	Mar 28, 18:55 GMT
Last update	

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[BLOCKCHAIN'25] Request for Hand-Signed Publish Agreement

blockchain25@easychair.org
À Benoit Maisseu
lun. 22:42

Nous avons supprimé les sauts de ligne en surnombre dans ce message.

Dear Benoit Maisseu,

Congratulations on the acceptance of your paper 3635: "IOTPAY: A Decentralized Payment Architecture for Autonomous IoT Transactions" for the BLOCKCHAIN'25 congress and will be included in the BLOCKCHAIN'25 proceedings published by Springer LNNS.

Please note that the Publish Agreement in PDF format must be included. We kindly ask you to resubmit the final version of your paper along with the hand-signed document at your earliest convenience.

Further details regarding the entire process can be found below.

Should you have any questions or require additional assistance, please do not hesitate to contact us.

Best Regards
BLOCKCHAIN'25 Committee

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