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- : Alex Pazaitis(((Alex Pazaitis) Ragnar Nurkse Department of Innovation and Governance, Tallinn University of Technology P2P P2P . Ragnar Nurkse Department .)), Primavera De Filippi(((Primavera De Filippi) Berkman Center for Internet & Society at Harvard Law School P2P . European University Institute in Florence .)), Vasilis Kostakis(((Vasilis Kostakis) Ragnar Nurkse Department of Innovation and Governance at Tallinn University of Technology Berkman Klein Center for Internet & Society at Harvard University Institute of Environmental Science and Technology at the Autonomous University of Barcelona 가 . P2P Lab P2P .))
 - : “Blockchain and value systems in the sharing economy: The illustrative case of Backfeed” (2017.5.25)
 - :
 - :
 - : Technological Forecasting and Social Change 125(2017)
-

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(...)

4. (Backfeed)

가 , 가 , 가 가

가 가 가 .

가 , 가

(CBPP, commons-based peer production)

가 가 가

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(Ito, 2016; Tapscott and Tapscott, 2016).

P2P ICT()

CBPP (polycentricity),

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4.1 () (“[r]evolution”)

가

(Davidson et al., 2016).

(backbone)

가 .

(Wright and De Filippi, 2015:6).

(batches)

‘ (blocks)

—P2P

(Wright and De Filippi, 2015).

(Davidson et al., 2016)

가

(Wright and De Filippi, 2015).

(Davidson et al., 2016; Tapscott and Tapscott, 2016).

(Swan, 2015). P2P
2008),
(nodes)

가

(Nakamoto,

가

가

’(proof of work)

(Davidson et al., 2016).

가

가 (Wright and De Filippi, 2015).

가
(Van Valkenburgh et al., 2014).

가
,
,
(Wright
and De Filippi, 2015).

4.2

가
(Free and Open-Source Software),
(OpenStreetMaps), (CouchSurfing),
(WikiHouse)

가 가

가
(Fuster Morell et al., 2014).

가
(Arvidsson et al., 2016).

가 가

가
(Bauwens, 2011; Johnson, 2011).

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,

(reputation)

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(Reilly, 2010).

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(Reason & Bradbury, 2008).

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(Reilly, 2010).

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가 . 가 , 가 가 .
(OuiShare) .
10 , 6 2015
가 2016 5
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가 . 가 CBPP
가 가
가 .

4.3. (Backfeed)

(Van Valkenburgh et al., 2014).

가 가

P2P

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가 (layer)

'(trustless)(([] trustless :

3 ' 가

.)

 (Decentralised Cooperation, DC)

가

. DC

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가

(, ,) ‘ ’(stigmergy,)

(Davidson et

al., 2016; Marsh and Onof, 2007).

(peers, 가)

(generic)

. DC
PoV)

가

가(Proof-of-Value,

가

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P2P 가

2)

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가

(Davidson et al., 2016).

4.4.

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산업경제에서 정보경제로

	산업경제 (가격체계)	정보경제 (사회적 공유)
가치 생산	분업 교환가치 잉여를 위한 생산	사용자/생산자의 소통 사용가치 공유를 위한 생산
가치 기록	복식부기 합리화 & 탈인격화 수량화 & 추상	블록체인 탈중심화된 합의 및 참여 다양성 & 다중심성
가치 실현	시장에 내놓는 상품 화폐 효용 극대화	커먼즈와 공유경제 디지털 토큰 인식된 사회적 혜택

가 가

가 / 가

가

가

가

가

가

가

가

(2009) 7

75% (mining pools) 가
(Blockchain.info, 2017).

가

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(Wikimedia Foundation, 2011).

가 가 (Khanna, 2012). 가

(Forte and Bruckman,

2005).

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production, CBPP) '(commons-based peer 가

(結晶)

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가 CBPP

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