

# 가 :

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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) .
- 

# 가 :

(...)

#### 4. (Backfeed)

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 (CBPP, commons-based peer production)  
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 . 가 가  
 (Ito, 2016; Tapscott and Tapscott, 2016).  
 P2P ICT( )  
 . CBPP (polycentricity), ,  
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## 4.1 ( ) (“[r]evolution”)

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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).

가

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(reputation)

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(Reilly, 2010).

가

(Reason & Bradbury, 2008).

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(Reilly, 2010).

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(OuiShare) .

10 6 2015  
가 2016 5

가 . 가 .

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가 CBPP

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#### 4.3. (Backfeed)

(Van Valkenburgh et al., 2014).

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P2P .

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가 (layer)

'(trustless)(([ ] trustless :

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3 ' 가 .

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                  (Decentralised Cooperation, DC)

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. DC

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가

(                  ,                  ,                  ) ‘                  ’(stigmergy,                  )

(Davidson et

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

(peers,                  가                  )

(generic)

. DC  
PoV)

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가(Proof-of-Value,

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P2P 가

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가

(Davidson et al., 2016).

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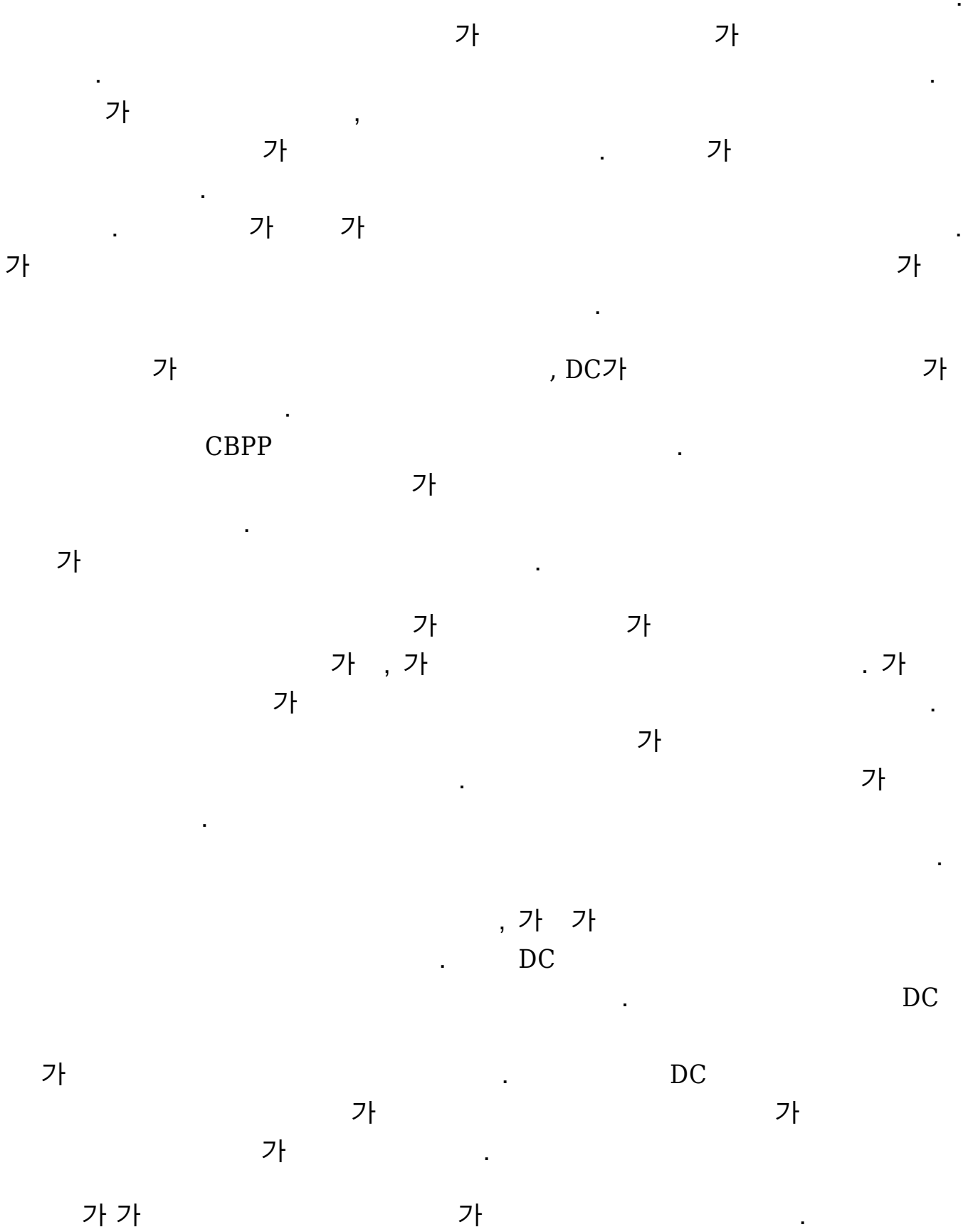
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4.5.

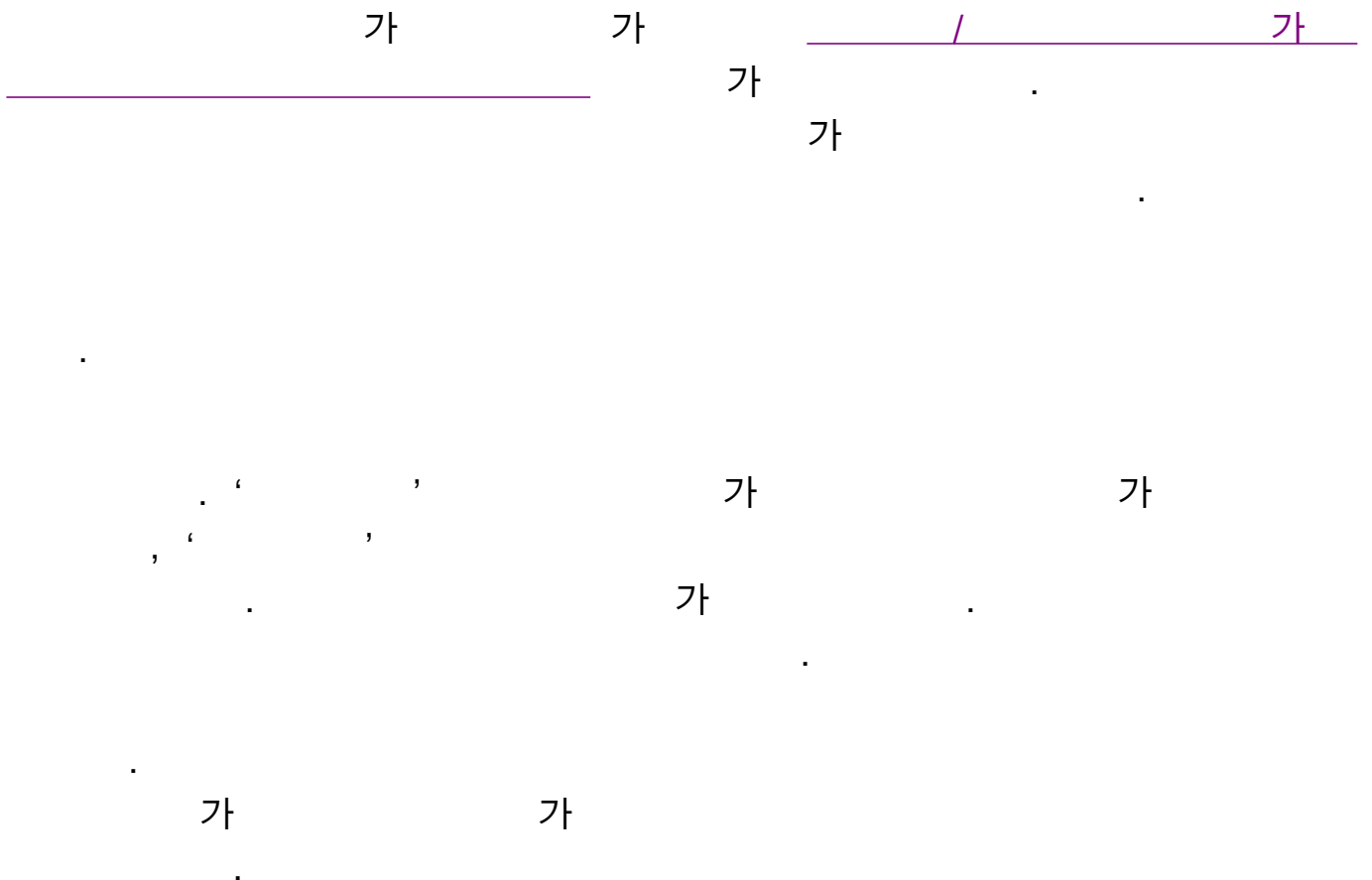
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4.6



# 산업경제에서 정보경제로

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



(2009 ) 7

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

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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

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