

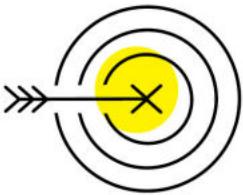
Capstone Design 1조

엄형근(팀장), 변구훈, 차민준, 구민준

캡톤 아메리카
With 임성수교수님
Open Journal



가트너 10대 전략 기술 트렌드 2018



gartner.com/SmarterWithGartner

Source: Gartner
© 2017 Gartner, Inc. and/or its affiliates. All rights reserved. Gartner is a registered trademark
of Gartner, Inc. or its affiliates. PR_312664

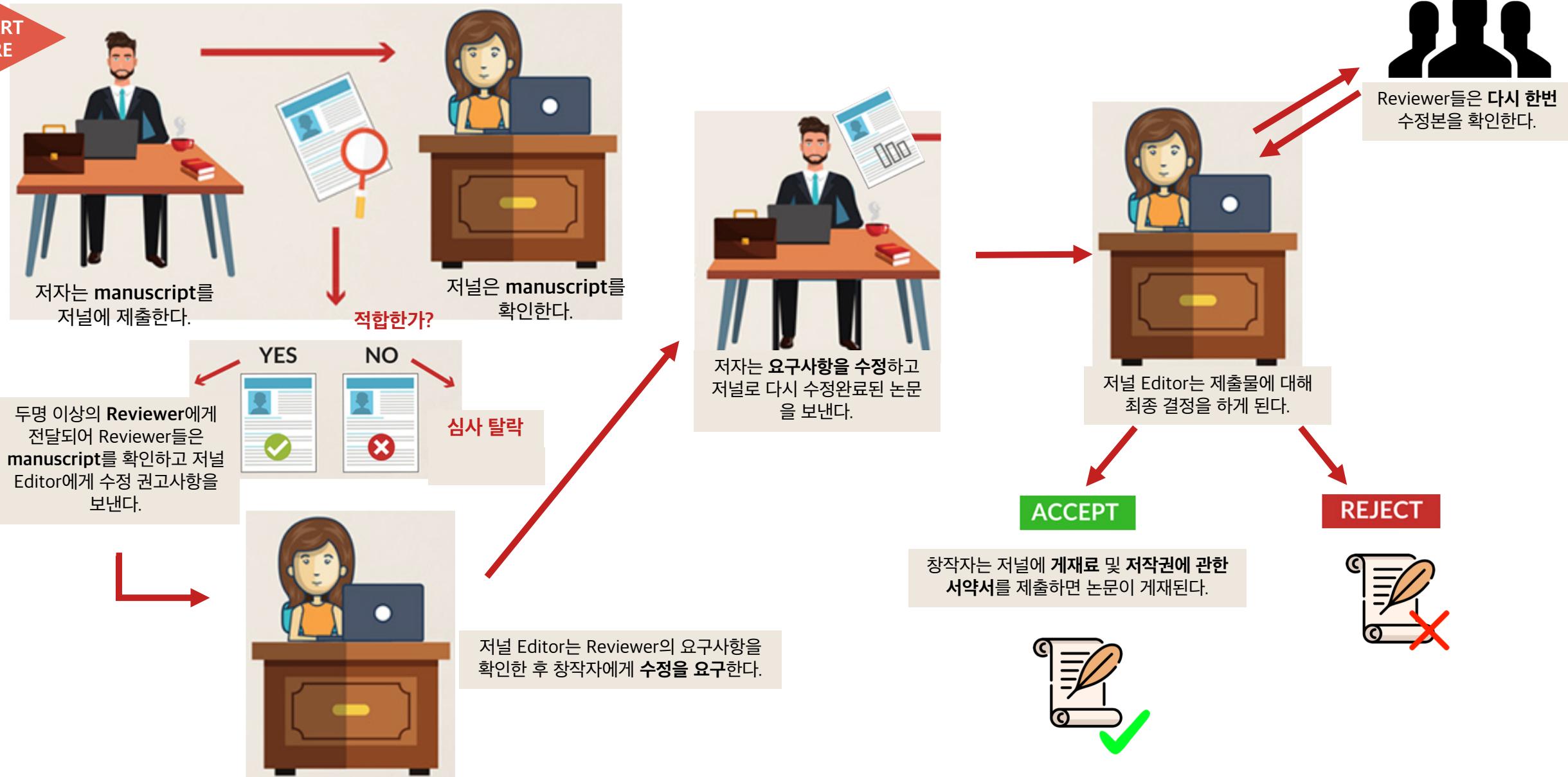
Gartner

분산형 상호신뢰 시스템



논문 투고 절차

START
HERE





우리도 먹고 살자구!

A dynamic, action-oriented photograph featuring Captain America and Iron Man. Captain America is in the foreground, wearing his iconic blue and red suit with the letter 'A' on the helmet, and is in the middle of a powerful punch. Iron Man is partially visible behind him, wearing his red and gold suit. The background is a bright, overexposed sky with some dark, smoky or metallic shapes on the left and right edges.

Journal
(ACM, IEEE)

OPEN JOURNAL





고마워요! 캡톤 아메리카♥

Open Journal 플랫폼 시나리오



회원가입



논문 게재자

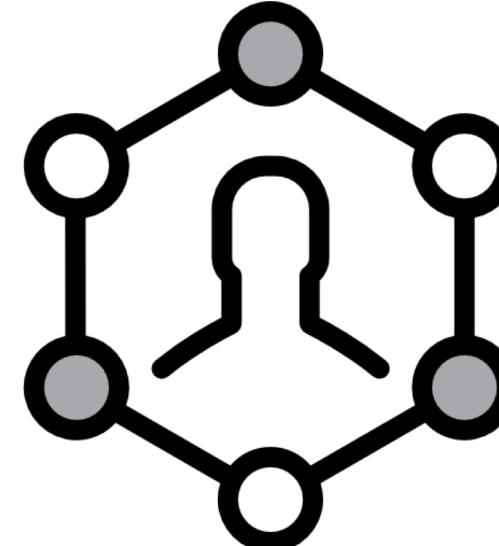


논문 사용자

논문 등록

논문 저자에게
구독료 지불

논문 게재자는 *Smart Contract*에 의한
빠른 거래 가능



저자의 이름, 논문의 카테고리, 논문의 내용,
*Smart Contract*가 포함된 트랜잭션 생성 후
블록 체인에 연결!



논문 열람

Open Journal 커뮤니티 예상 시나리오



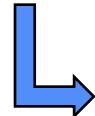
”프로젝트에 참고 할 만한 논문을 찾아주세요.“



질문자에 의해 답변이 채택되면
답변자는 ‘명성’을 쌓아 올릴 수 있다.



”#13번 논문에 대해서 이런 견해가 있습니다.“



사람들이 글쓴이의 견해에 대해
Voting을 하며 인정을 하게 된다면,
글쓴이는 ‘명성’을 쌓아 올릴 수 있다.

‘명성’을 일정 이상 얻게 된다. = ‘뱃지’를 부여 받게 된다. = 좀 더 공신력을 가진 사람으로 표현된다.



BLOCKCHAIN

Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s} = 7$ and 8 TeV
with the ATLAS and CMS Experiments

G. Aad *et al.*^{*}

(ATLAS Collaboration)[†]

(CMS Collaboration)[‡]

(Received 25 March 2015; published 14 May 2015)

A measurement of the Higgs boson mass is presented based on the combined data samples of the ATLAS and CMS experiments at the CERN LHC in the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ \rightarrow 4\ell$ decay channels. The results are obtained from a simultaneous fit to the reconstructed invariant mass peaks in the two channels and for the two experiments. The measured masses from the individual channels and the two experiments are found to be consistent among themselves. The combined measured mass of the Higgs boson is $m_H = 125.09 \pm 0.21$ (stat) ± 0.11 (syst) GeV.

DOI: 10.1103/PhysRevLett.114.191803

PACS numbers: 14.80.Bn, 13.85.Qk

This study of the mechanism of electroweak symmetry breaking is one of the principal goals of the CERN LHC program. In the standard model (SM), this symmetry breaking is achieved through the introduction of a complex doublet scalar field, leading to the prediction of the Higgs boson ($H \rightarrow \gamma\gamma$), which has been confirmed by the theory. In 2012, the ATLAS and CMS Collaborations at the LHC announced the discovery of a particle with Higgs-boson-like properties and a mass of about 125 GeV [7–9]. The discovery was based primarily on mass peaks observed in the $\gamma\gamma$ and $ZZ \rightarrow \ell^+\ell^-\ell^+\ell^-$ (denoted $H \rightarrow ZZ \rightarrow 4\ell$ for simplicity) decay channels, where one or both of the Z bosons can be off shell and where ℓ and ℓ' denote an electron or muon. With m_H known, all properties of the SM Higgs boson, such as its production cross section and partial decay widths, can be predicted. Increasingly precise measurements [10–13] have established that all observed properties of the new particle, including its spin, parity, and coupling strengths to SM particles are consistent within the uncertainties with those expected for the SM Higgs boson.

The ATLAS and CMS Collaborations have independently measured m_H using the samples of proton-proton collision data collected in 2011 and 2012, commonly referred to as LHC Run 1. The analyzed samples correspond to approximately 5 fb^{-1} of integrated luminosity at $\sqrt{s} = 7$ TeV, and 20 fb^{-1} at $\sqrt{s} = 8$ TeV, for each experiment. Combined results in the context of the separate experiments, as well as those in the individual channels, are presented in Refs. [12,14–16].

*Full author list given at the end of the article.

Published by the American Physical Society under the terms of the Creative Commons Attribution 3.0 License. Further distribution of this work must maintain attribution to the author(s) and the published article's title, journal citation, and DOI.

논문



스마트 컨트랙트(계약서)



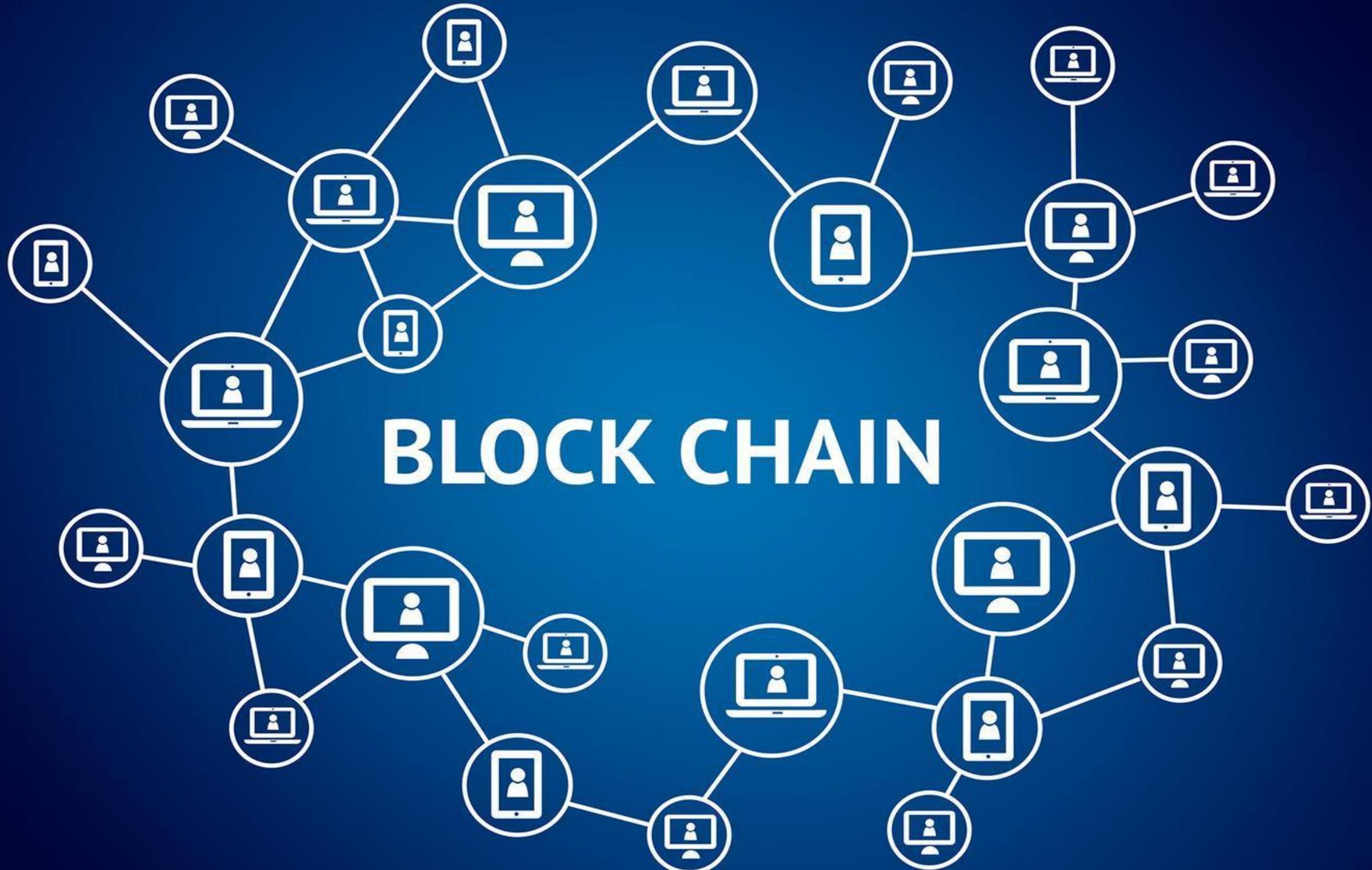


Mining(채굴)

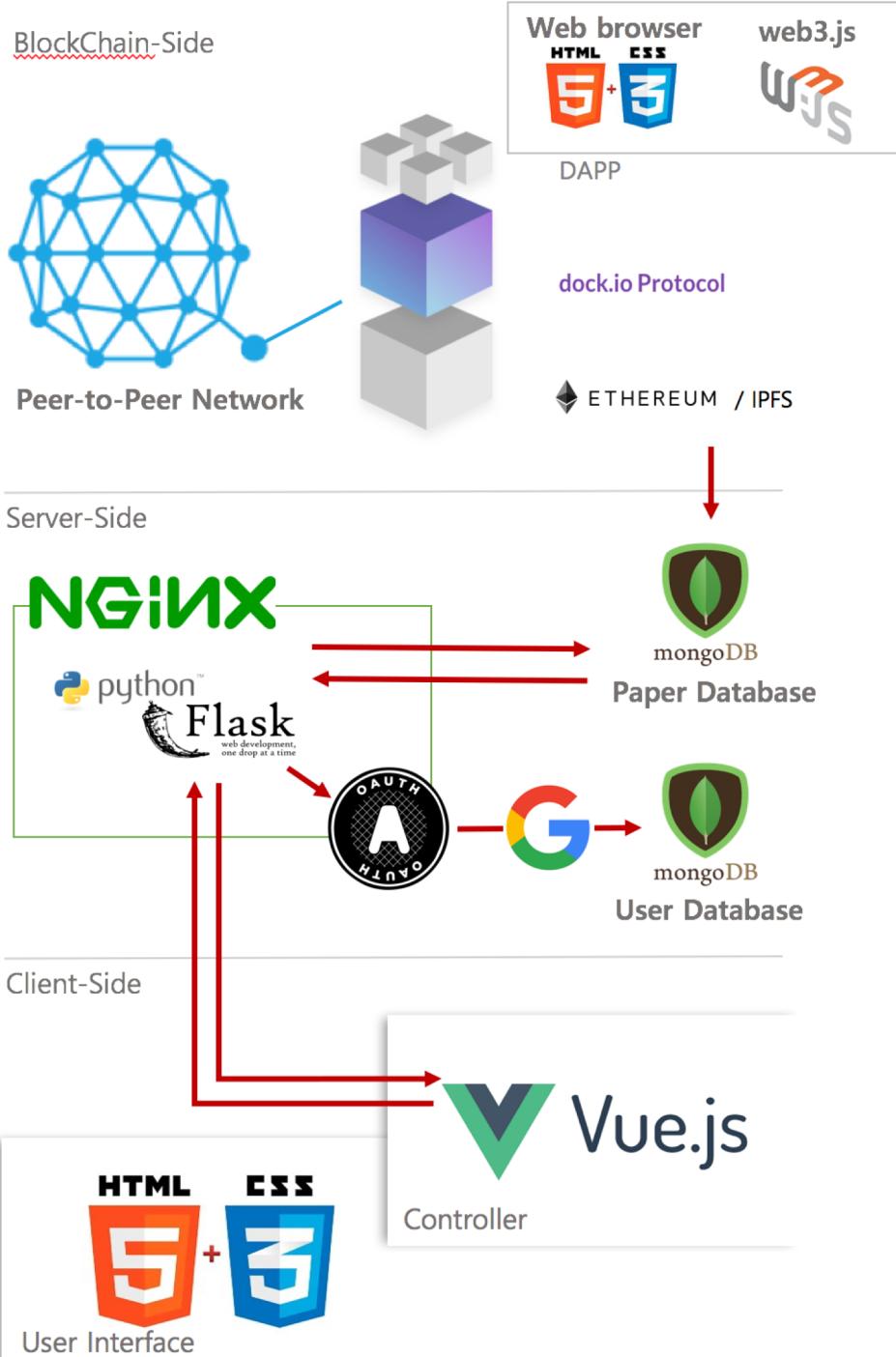
Consensus Algorithm

$\geq 51\%$

BLOCK CHAIN



시스템 구성도





교수님 논문 저작권, 저희가 지켜드릴게요.