Date: 01/28/2008 [07:43:31 PM CET]
From: EDAS <help@edas-help.com>
To Ardian Ulvan <ulvana1@fel.cvut.cz>
Subject: [IFIPAICT] Article 1569115787 has been uploaded

Dear Mr. Ardian Ulvan

Thank you for uploading your article 1569115787 ('Multiple cell partitions for increasing the
CDMA-based cell capacity') to IFIP Advances in Information and Communication Technology (Springer
journal/book series). The article is of type application/pdf and has a length of 181537 bytes.

You can modify your article at

http://edas.info/showPaper.php?m=1569099551

and see all your submissions at

http://edas.info

using the EDAS identifier ulvana1@fel.cvut.cz

Regards,
Zoubir Mammeri, Editor in chief
Patrick Senac, Editor

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Date: 08/12/2008 [02:30:06 PM CEST]
From: EDAS <help@edas-help.com>
To   Ardian Ulvan <ulvana1@fel.cvut.cz>
Cc   Robert Bestak <bestar1@fel.cvut.cz>
Subject: [IFIPAICT] Your article #1569115787 has been accepted
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Dear Mr. Ardian Ulvan

Congratulations.

We are delighted to inform you that your paper "Multiple Cell Partition for Increasing CDMA-Based Cell Capacity" has been accepted for publication at IFIP Advances in Information and Communication Technology (Springer journal/book series) volume 284, which is expected to be published online on December 2008.

The acceptance of your article is made with the understanding that each accepted paper will be registered and at least one author will attend to present the article at the IFIP conference.

Note that an article will be published on the Springer Journal, Book Series, and/or Lecture Notes only after the registration form is sent in the due time and successfully processed. Otherwise, the article is considered withdrawn and it will not appear in the Springer publication.

Camera ready submission and copyright transfer form:

The deadline for camera ready and copyright form submission is September 11, 2008.
The maximum size of final manuscript is 20 pages (however, we do allow up to four extra pages at acost of 100 € per extra page) according to Springer format.
When you prepare your final manuscript, please read carefully and follow the "Information for authors" available at https://link.springer.com/ifipaict/284

The copyright form is available at: http://springer.com/series/6102
Please fill out, sign the copyright form and send it to the editors through your EDAS account. DON'T SEND YOUR COPYRIGHT TO SPRINGER.

Sincerely,
Zoubir Mammeri, Editor in chief
Patrick Senac, Editor

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Reviews

Here are comments from the reviewers. Please take them into consideration as you finalize your article.

======= Review 1 =======

 *** Relevance to IFIP Advances in Information and Communication Technology: How well does the paper fit into the scope of journal?

Good (3)

 *** Technical issues: Do you consider the paper technically sound?

Good (3)

 *** Presentation: How well the paper is presented?

Fair (2)

> *** Originality: Do you consider the work original?

Original (3)

> *** Contributions: Do you consider the contributions (in terms of theory or practice) and/or
> experimentation/simulation results?

Good (3)

> *** Overall recommendation: Your overall rating.

Accept (3)

> *** Familiarity: Rate your familiarity with the topic of the paper.

Expert (4)

> *** Strengths: What are the major reasons to accept the paper? [Be brief.]

The paper proposes a spatial frequency reuse scheme for CDMA. The idea is somewhat novel though
there exists already literature on FDMA/CDMA with spatial reuse.

> *** Weaknesses: What are the most important reasons NOT to accept the paper? [Be brief.]

The concept is far from being realistic. The evaluation is not really precise. The paper is not
very well written. The related work to FDMA/CDMA networks is missing.

> *** Detailed Comments: Please provide detailed comments that will be helpful to the Editors
> forassessing the paper. Also provide feedback to the authors.

I have to be honest that I could not answer the question on the capacity improvement through
using spatial frequency reuse. However, I think that your analysis is convincing. I would
recommend to perform a Monte Carlo simulation and really compute the accurate powers/capacities.
In your equations, e.g., you do not explain how to compute L_{jk}, the pathloss from mobile to base
station. Where is this mobile located? You need to integrate over the whole cell area etc. to
make that correctly.

Additionally, I think that such a scheme is technically feasible. One of the key elements of
CDMA is soft handover and macro-diversity. Without them CDMA seems hardly possible.

======= Review 2 =======

> *** Relevance to IFIP Advances in Information and Communication Technology: How well does the
> paper fit into the scope of journal?

Good (3)

> *** Technical issues: Do you consider the paper technically sound?

Fair (2)

> *** Presentation: How well the paper is presented?

Poor (1)

> *** Originality: Do you consider the work original?

Original (3)

> *** Contributions: Do you consider the contributions (in terms of theory or practice) and/or
> experimentation/simulation results?

Good (3)

> *** Overall recommendation: Your overall rating.

Accept (3)

> *** Familiarity: Rate your familiarity with the topic of the paper.

Familiar (3)

> *** Strengths: What are the major reasons to accept the paper? [Be brief.]

> *** Weaknesses: What are the most important reasons NOT to accept the paper? [Be brief.]

*** Detailed Comments: Please provide detailed comments that will be helpful to the Editors forassessing the paper. Also provide feedback to the authors.

======= Review 3 =======

*** Relevance to IFIP Advances in Information and Communication Technology: How well does the paper fit into the scope of journal?

Good (3)

*** Technical issues: Do you consider the paper technically sound?

Good (3)

*** Presentation: How well the paper is presented?

Average (2)

*** Originality: Do you consider the work original?

Original (3)

*** Contributions: Do you consider the contributions (in terms of theory or practice) and/or experimentation/simulation results?

Good (3)

*** Overall recommendation: Your overall rating.

Accept (3)

*** Familiarity: Rate your familiarity with the topic of the paper.

Some knowledge (4)

*** Strengths: What are the major reasons to accept the paper? [Be brief.]

The paper seems sound and analyzes a proposal for improving cell capacity that makes sense.

*** Weaknesses: What are the most important reasons NOT to accept the paper? [Be brief.]

The paper is a minor extension of a previously proposed idea.

*** Detailed Comments: Please provide detailed comments that will be helpful to the Editors forassessing the paper. Also provide feedback to the authors.

The authors investigate the benefits of extending a previously proposed scheme of division of radio cells into two partitions to more than two partitions. They investigate gains in terms of number of supported users.

The work should introduce all the variables used, like r and f in Eq (3), and ideally also the well known ones as in Eq(1). Reproducing the exact channel models from [3][4] on 2 pages uses up a lot of space and referencing them (instead of giving all the equations) would have been sufficient. In any case they are not described or discussed in sufficient detail to actually learn something interesting form them. Fig. 3a and 3b are sufficient for this.

It seems the graphs in section 4 do not depend on the height of the antenna, contrary to what is stated in the text. Why is this the case? Also, it would make much more sense to then plot them against other parameters such as the number of partitions, or something else.

What happens with the system if more partitions are used? The authors claim that capacity increases linearly, but obviously there are limits to the number of partitions that can be used. This should be discussed, since the power and spectrum used for the partitions (compared to using only a single partition), as well as the control overhead does not come for free. What system tradeoffs are there?

The article contains several number of typos and should be proofread.