Dear Dr. James Irvine:

I am writing to you to request you to either change the second author’s name to Yi Sun for the following paper or reject the paper from any publication, including CD and proceedings, of VTC’2003.

Authors: Xiong Wu and Xin Ye

Title: Local Maximum Likelihood Multiuser Detection with Interference of Unknown Signal Waveforms

The reason is that if this paper is published as it is, the two authors via this paper plagiarized my unpublished algorithm and idea of group-blind local maximum likelihood multiuser detection (GB-LML-MUD). The evidences are as follows.

- Xiong Wu was my Ph.D. student starting in January, 2001. Xin Ye is another Ph.D. student in this department with another professor.

- From January of 2001 through the end of May of 2003, and the fall semester of 2003, Xiong Wu worked on the project directed by me and sponsored by the Arm Research Laboratory with the CTA program. He was supported from the project. The task I gave him in the period from January of 2001 through the end of May of 2003 is to simulate the GB-LML-MUD, which I developed and proposed as part of the research in the ARL CTA program.

- The above paper they submitted to VTC’2003 mainly presents my GB-LML-MUD, one of my unpublished algorithms. It is because of this that the authors via the paper plagiarized my idea and work on the GB-LML-MUD.

- In the paper, simulation results are also presented. To ease his simulation, I gave Xiong Wu the Matlab program of the main part of the algorithm – the program for local maximum likelihood (LML) multiuser detection. Xiong Wu’s contribution to the work is only to use my program of LML detection with modification to conjunction with LS projection to simulate my GB-LML-MUD and obtain the simulation result. This is the task I asked him to perform in the ARL CTM program that supported him.
• Xin Ye’s research area is in optical communications. Her contribution to the work is unknown.

• I was unaware when Xiong Wu submitted the paper to VTC’03.

• At the beginning of September 2003, he told me that his submission earned interest from a viewer who suggested to coauthor with him. I was really surprised. Based on the viewer’s response, I believed that when the paper was submitted, only Xiong Wu’s name is on the paper.

• Later, under my request, Xiong Wu gave me the paper he submitted, on which he is the first author, and I am the second author. I told him to withdraw this paper. He promised, and told me that he would never publish the paper without my authentication. Unfortunately, he did submit the final version of the paper to VTC’03.

• Yesterday (10/16/03) when I knew he did, he tried to cover the fact and still told me that on the paper, the authors’ names are “Xiong Wu and Yi Sun”. He also told me that he did go to the conference site. However, because he did not know that the time for presentation of his paper had changed, he did not present the paper in audience.

• My idea on the GB-LML-MUD algorithm was obtained through about ten years of streamline research effort on development of the families of nonlinear iterative algorithms with applications from digital image restoration, neural networks, and to CDMA multiuser detection.

  o In 1992, we published the original idea of the iterative neural network based algorithms for image restoration [A1][A2] and EHE criterion based algorithm [A3].

  o In 1993, we published the blind algorithm [A4] and further EHE criterion based algorithm [A5].

  o In 1995, we published several improved algorithms in journal version [A6].

  o In 1997, we found and published a family of neural network based algorithms in a generalized version [A7].

  o In 1998, these algorithms are applied to CDMA multiuser detection the first time [8][9]. In the same year, the journal paper on the generalized family of neural network based algorithms was published [A10].

  o In 1999, the family of likelihood ascent search (LAS) algorithms are systematically applied to CDMA multiuser detection in [A11], and then in [A12].

  o In 2000, the two-part series of journal papers for algorithms and performance analysis of various neural network based algorithms are published [A13][A14]. In this year, in the first time, we proposed the LAS based group-blind multiuser detection in our proposal to NSF Career Program [B1], also seen in the unpublished draft [C1].

  o In 2001, we developed the local maximum likelihood (LML) multiuser detectors [A15][A16]. In the first time, we propose the concept of GB-LML-MUD in our proposal to NSF CISE [B2], and in our proposal to the ARL CTA program [B3][B4][B5].
In 2002, detailed progress report on the GB-LML-MUD for the ARL CTA program was presented at the ARL [B6]. (For his convenience of simulation, I gave [B6] to Xiong Wu).

As you can see, the authors of this paper in the current form have plagiarized my unpublished algorithm and idea of the group-blind local maximum likelihood multiuser detection. To include this paper in the CD and proceedings of VTC’03 will help realization of this plagiarism. Because of this, I am requesting you to either change the second author to “Yi Sun” or reject this paper from any publication of any form, including CD and proceedings, of VTC’03.

Considering that these two students are young, I prefer the solution to change the second author into “Yi Sun” although I am the inventor of the GB-LML-MUD detector and this paper is certainly poorly written. However, if Xiong Wu and Xin Ye do not change, then I request you to reject this paper from any publication of VTC’03.

Please let me know if I can be of further help.

I am looking forward to hearing from you.

Best regards,

Sincerely,

Yi Sun

Enc.
Appendix A  My related publications


Appendix B  My related proposals and reports


Appendix C My unpublished drafts


Appendix D My unpublished Matlab programs

Quite a lot of Matlab programs have been written by me in the past ten years in the development of this series of several families of iterative algorithms with application from image restoration and reconstruction, neural networks, and CDMA multiuser detection.