2024 Spring Technical Meeting of the Western States Section of The Combustion Institute

March 4–5, 2024

University of Utah, Salt Lake City, Utah

Title of the Extended Abstract [18pt]

*Author Name1, Author Name1, Author Name2, Author Name2,\*[14pt Italic]*

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1. **Introduction**

Extended abstracts should be a minimum of two pages (approximately 1000 words) and should include at least one significant figure.

All text [12pt]

Sample Equation:

 *X*i*≡Y*i*W*N2*/W*i (1)

 *ξ*st *≡* (*Y*O2*,*l *−* 4*Y*F*,*l)*/*(*Y*O2*,*l + 4*Y*F*,*r *− Y*O2*,*r *−* 4*Y*F*,*l)(2)

Sample Figure: [Inline with text. Do not text wrap]

Figure 1: Schematic illustration of the outer structure of a partially premixed methane flame established between counterflowing streams of methane mixed with nitrogen and fuel-lean mixture of oxygen, nitrogen and methane

# Methods/Experimental

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1. **Results and Discussion**
2. **Conclusions**

**Acknowledgements**

This research was funded by …

**6. References**

References should be indicated in the text by full-size numbers in brackets, e.g., [1], [2–3], and should be numbered in the order cited. The actual authors can be referred to, but the reference number(s) must always be given. The numbered reference list at the end of the paper should conform to the following style used for *Combustion and Flame*:

**Journal article:**
[1] A.L. Sánchez, E. Fernárdez-Tarrazo, F.A. Williams, The chemistry involved in the third explosion limit of H H2O2 mixtures, Combust. Flame 161 (2014) 111-117.

**Journal article in press:**
[2] H. Terashima, M. Koshi, Mechanisms of strong wave generation in end-gas autoignition during knocking combustion, Combust. Flame (2014), doi:[10.1016/j.combustflame.2014.12.013](http://dx.doi.org/10.1016/j.combustflame.2014.12.013).

**Book:**
[3] P. Prasad, Propagation of a curved shock and nonlinear ray theory, Longman Scientific & Technical, Harlow, U.K., 1993. You may also include the page or page range (optional).

**Reference to a chapter in an Edited Book:**
[4] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), Introduction to the Electronic Age, E-Publishing Inc., New York, 2009, pp. 281-304.

**Symposium Proceedings:**
All symposium papers associated with the International Symposium on Combustion published before 2000 should be cited in the following way:
[5] Y. Ju, G. Masuya, P.D. Ronney, Effects of radiative emission and absorption on the propagation and extinction of premixed gas flames, Symp. (Int.) Combust. 27 (1998) 2619-2626.

All symposium papers associated with the International Symposium on Combustion published in 2000 or later should be cited in the following way:
[6] A. Attili, F. Bisetti, M.E. Mueller, H. Pitsch, Damköhler number effects on soot formation and growth in turbulent premixed flames, Proc. Combust. Inst. 35 (2015)1215-1223.

**Conference Proceedings**
A conference proceedings should be styled as a book, with publisher or institution sponsoring publication and the year published as well as the year the conference was held. Authors must ensure that these references are publicly available. Example:
[7] R. Tangko, D.A. Sheen, H. Wang, Combustion kinetic modeling using multispecies time-histories in shock-tube oxidation of n-dodecane, 7th U.S. National Combustion Meeting (2011), paper 2A18.

**Internal Reports:**
[8] A.S. Johnson, F.W. Adams, Use of laser diagnostics in supersonic flows, Report No. SAND87-8003, Sandia National Laboratories, Livermore, CA, USA, 1987. Authors must ensure that these references are publicly available.

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